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Registered as a Newspaper and
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42 CANNON ST., LONDON, E.C.4

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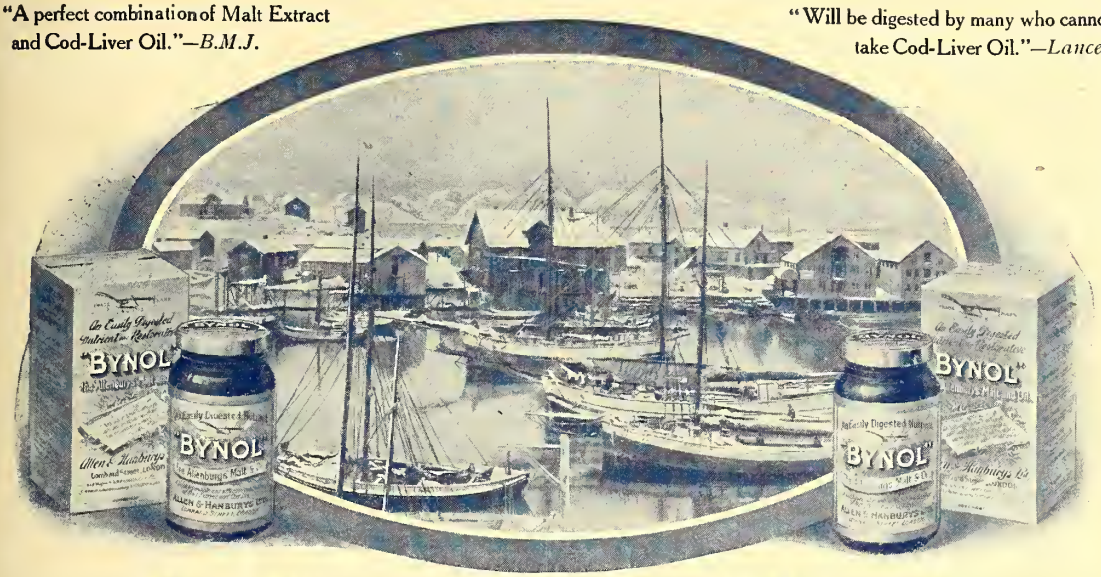

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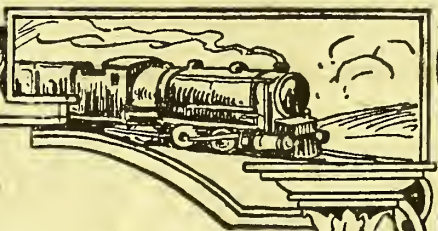

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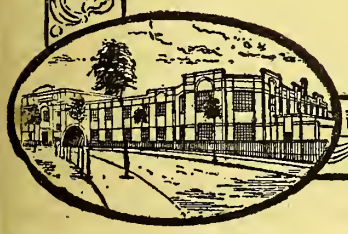

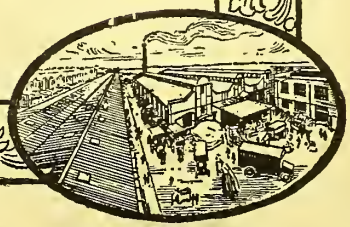

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⅓-gr. 330 " @ 14/- "
½-gr. 330 strength @ 17/- "

Not less than 2,000 tablets supplied. Registered postage 8d. 10,000 upwards, post paid. Cheque with order. Any quantity supplied by return of post.
Samples on application. Bulk GUARANTEED to sample.

W. BENNISON & CO.
59 MARK LANE, LONDON, E.C. 3.
Telephone: Ave. 3727. Telegrams: "Polychem, Fen, London."

SACCHARIN TABLETS.

Exceptional Offer. Cash with Order.
⅓ grain 330.

1 lb. (Average over 7,000)			£3	3	0
5 lb.	"	" @	£3	2	0
10 lb.	"	" @	£3	1	0
20 lb.	"	" @	£3	0	0

MARSH, BROOKS & Co., 58 Victoria Sq., BOLTON.

DAMANCY & CO., HARROW

SACCHARIN (Monsanto) TABLETS

¼ gr. 330 in each tablet ... ... 5/- per 1000.
⅓ gr. " " " " " " " " 7/- " "
½ gr. " " " " " " " " 10/- " "

Cash with order. Carriage paid.

SACCHARINE 550 "Monsanto" Brand

200 lb. on spot. Offer wanted, whole or part.

SACCHARINE TABLETS

⅓ grain, 330 strength, "Monsanto."
4/10 per thousand for quantities.
Address - - Box 21/19, Office of this Paper.

HOLMIER SACCHARIN TABLETS.

REDUCTION IN PRICE. All approx. 8,000 to lb. American Saccharine.

5,000 lots	...	¼-gr.	11/6	⅓-gr.	15/9	½-gr.	17/3	per 1000
10,000 "	...	"	11/3	"	15/6	"	17/-	"
20,000 "	...	"	11/-	"	15/3	"	16/9	"
50,000 "	...	"	10/9	"	16/-	"	16/6	"
100,000 "	...	"	10 6	"	15/9	"	16/3	"

Cash with Order. Reg. Post Paid. Immediate Delivery.
Orders less than 5,000 will be 6d. per 1,000 extra.
MEYER, Manufacturing Chemists, 98 COLMORE ROW, BIRMINGHAM

Saccharin Tablets.

½ gr., 330 in 1. Guaranteed the Genuine Article.
£3 10 per lb. Cash with Order.
Delivery per return. Reg. post paid. Special quotations for large quantities.
HENRY BOWN, Chemist, 154 Cemetery Road, SHEFFIELD.
Telegrams: 2742 Sheffield.

MEET COMPETITION!

SACCHARIN TEA SWEETENERS.

(UNCONTROLLED).

In Envelopes of 100, Retail 1/7½
Wholesale, 19/6 per doz., less 25%.
Carriage paid. Cash with order.
A. S. PRICE & CO. Ltd., Blackheath, BIRMINGHAM

SACCHARIN. SACCHARIN.

500 Strength. Soluble.

160/- per pound. *Carriage paid.*

Write—WM. HARRISON, SACCHARIN SPECIALIST Acomb, York.

Pyrogallic Acid Gallic Acid

Manufactured by J. L. ROSE,
At ABBEY ROAD, BARKING, LONDON, E.
Wholesale and Export only.

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100 Reams strong Brown Tissue, 18×28 in., 16/6 per ream. Cash with Order. 10 reams Carriage Paid. Also Browns and Krafts in stock.

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An absolutely unique scientific toilet preparation. Harmless and effective. Sells at sight. Widely advertised and shows a splendid margin of profit on minimum protected price. Every Chemist who appreciates the value of quick returns and satisfied customers should stock "WAVCURL." Descriptive circular will be sent to all chemists on applying for it. Special to Wholesalers.

Packets, 1/6, at 9/- per doz. Bots., 2/9, at 21/- per doz.

THE NEW WAVCURL CO., Fulwood House, High Holborn, London, W.C.1

BRANDON, TURNER & CO.,

48 Hatton Garden,
London, E.C.

CARDBOARD BOXES & CARTONS

of every description.

FOLDING BOXES A SPECIALITY

IMMEDIATE DELIVERY GUARANTEED

Send us Your Inquiries.

GREAT REDUCTION.

Saccharin Tablets

GUARANTEED FULL STRENGTH.

½ grain 330 in 1.

1 lb. lots	80/-	per lb.
2 "	79/-	"
5 "	78/-	"
10 "	77/-	"
10,000 ...	11/6	per 1000
100,000 ...	11/-	"

To-day, owing to our large output and favourable buying, we are still enabled to lead both as to quality and price. The Market for the last few weeks has developed well for the buyer.

Envelopes containing 100
UNCONTROLLED

SACCHARIN TABLETS

to retail at 1/7½ each, 13/6 per doz.
Cash with Order. Immediate Delivery.
Registered Post Free.

AUSTIN, Wholesale Chemist,
Alum Rock Rd. BIRMINGHAM.

DAMANCY & CO., HARROW.

SACCHARIN (MONSANTO) TABLETS

¼ gr. 330 in each tablet ...	5/-	per 1000.
⅓ gr. " " " " ...	7/-	" "
½ gr. " " " " ...	10/-	" "

ASPIRIN TABLETS, B.P. gr. 5, 12/- per 1000.
Cash with order. Carriage paid.

PAXIDORM NERVE PELLETS

Powerful Nerve Sedative and Mild Hypnotic. Absolutely Harmless and will not create a habit. Not within the meaning of the Diethyl-barbituric Acid Resolution, and therefore must not be labelled Poison.

All particulars of the Sole Manufacturers,
CLEVELEYS CHEMICAL CO.,
22/23 Gt. Tower Street, LONDON, E.C.3

WRITE for our SEASON'S LIST

LIST NO. 904.

Remittance with Order will ensure Prompt Dispatch.

THESE PRICES ARE TYPICAL OF THE VALUE WE OFFER IN POCKET LAMPS COMPLETE.

Fitted with 1⅛" Lens, Patent Switch, Metal Filament Bulb, and best Battery.

Description.	List No.	Per doz. complete.
Popular quality, assorted covers, polished fittings	703	22/- net.
Medium quality, leatherette covers, nickelled fittings	705	27/- net.
Superior quality, best leatherette covers, & heavily nickelled ...	904	36/- net.
De Luxe quality, selected leather covers, and heavily nickelled	20	48/- net.

VERY SPECIAL OFFER.

No. 307. Polished Tin Mounts, ¾ in. Bull's-Eye Lens. Assorted Covers, Patent Permanent Switch, with Best Quality "Volex" Battery and Metal Filament Bulb, **17/6** per doz. net. complete.

The 'Sunbeam' Pocket Torch.

Size, 5 × 1 in.

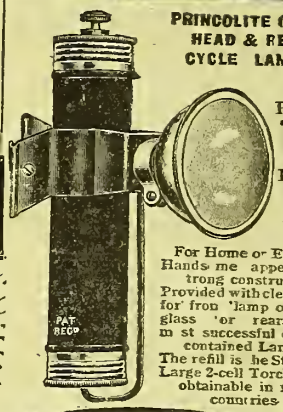
Complete with Refill and Bulb **1/6** each. Spare Batteries **12/-** doz. net.

The most reliable Torch of convenient size ever offered. Gives a brilliant light that in ordinary use will serve for six months. Neat, attractive appearance. All metal finish.

Best Quality Flash-Lamp BULBS 3.5 volts. **3/-** doz. net.

Best Quality 'VOLEX' POCKET LAMP BATTERIES **10/6** doz. net.

PRINCOLITE (Pat.) HEAD & REAR CYCLE LAMPS.



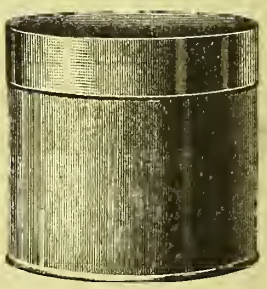
PRICE **7/6** EACH NET complete.

For Home or Export. Handsome appearance. Strong construction. Provided with clear glass for front lamp or a red glass for rear. The most successful of self-contained Lamps. The refill is the Standard Large 2-cell Torch Refill obtainable in most countries.

Ward & Goldstone SALFORD MANCHESTER

FOOD CONTAINERS.

Regd. Trade Mark— "ELSWAL."



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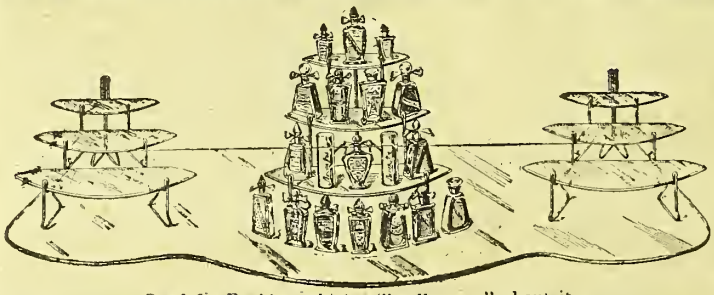

Send for Booklet, which will tell you all about it.

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WE MAKE

Screw Caps

IN ALL SIZES & METALS

Send inquiries to

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SUBJECT TO BEING UNSOLD ON RECEIPT OF ORDER.

VACUUM FLASKS.

JAPANNED CASE.
NICKEL-PLATED.
SCREW CUP WITH INSULATED WIRE HANDLES.

Shock - absorbing Spring at Bottom.

Approximate Capacity 1 pint.

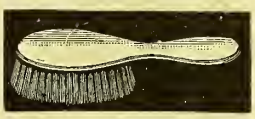
10/6 Each.

SPECIAL LINE.

As above, but with plain N.-P. Cup. No handles.
8/6 Each.

SPECIAL OFFER.

NAIL BRUSHES.
Large and Well-fitted.
Size 4⅞ in. by 1⅝ in.
6/6 Doz. 75/- Gross.



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White Bristles.
Polished Backs.
F. 7755 51/3 Doz.

SHAVING BRUSHES.
F. 7742 Boxwood 21/3 Doz.
F. 7740 „ 25/- „
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TOOTH BRUSHES.
Good Quality, in White Bone.
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In Rolls

In Packets.

PACKETS.

		Gro. Pkts.
WHITE NEWS	200 Sheets	100/-
A. R. NATURE	192 „	90/-
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2 Gross Lots, A sorted, Carriage Paid.

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PRICES SUBJECT TO CASH DISCOUNT ONLY, 2½%

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SEND TO-DAY FOR DESCRIPTIVE BOOKLET.

Delivered to you in the flat, ready for putting together. ¶ All Boxes made to specification

Let Us Help You

Reduce your freight charges.
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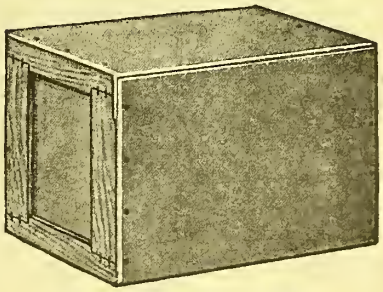
Adopt distinctive Packing Cases for your goods.
Buy in quantities, thus escaping the constantly advancing prices.
Lighter than Wood—Cheaper than Wood.



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Fibre Board Packing Case.

GLOBE BOX CO. Proprietors: Cartwright & Rattray Ltd. **Boston Mills, HYDE.**

"FARRIS'S"

Real Old-fashioned Genuine Air Bleached

BEES WAX

The ONLY Actual MANUFACTURING WAX CHANDLER in the City of London.

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Maw's Page.

NUMBER 380. JAN. 25, 1919.

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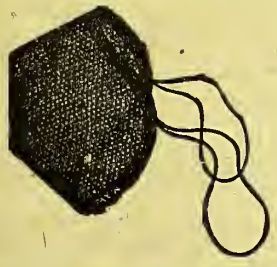
As suggested by Dr. BURNEY YEO.

FOR THE INHALATION OF ANTISEPTIC SOLUTIONS.

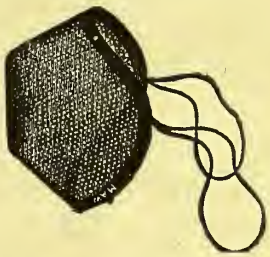


No. 1. In Perforated Zinc, bound edges, only **6/9** doz.

No. 2. Large size ditto, **11/-** doz.

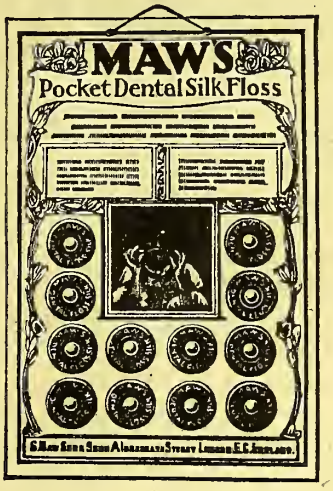
No. 3. Ordinary size entirely covered, **10/-** doz.

EACH PACKED IN CARTON.



DENTAL FLOSS SILK

IN CASES OF DIFFICULTY FOR THE INTERSTICES OF THE VERY THIN AND EXTRA- BE FOUND TO EASILY PENE- TEETH. IT IS A USEFUL AD- AS IT IS BEAUTIFULLY SOFT



A BRUSH TO PENETRATE TEETH, THIS SILK WHICH IS ORDINARILY TOUGH, WILL TRATE THE CLOSEST SET JUNCT TO THE TOOTH BRUSH AND WILL NOT CUT THE GUMS

Supplied on bobbins, each containing 10 yards. 1 doz. mounted on handsome Showcard, as illustration, **4/-** per card of 1 doz.

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS.

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ON P.A.T.A. LIST. SHOWCARDS FREE.

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Do You Sell
Sister Lauras Food?

The question is often asked nowadays.
The Chemist who does not stock Sister Lauras Food is missing a good line.
Sister Lauras Food is achieving great success as a preparation for weakly babes and for invalids and the aged.
It makes milk digestible and is invaluable in cases of malnutrition.
It is a thoroughly reliable line and one that brings a handsome return.

Price 1/- & 2/6 per tin. *Samples and advertising matter free on application.*
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CHELTINE FOODS CO., CHELTENHAM.
DIABETES
FLOUR, BREAD, BISCUITS, FOOD, RUSKS, COCOA, Etc. Also Foods for Anæmic, Dyspeptic, Invalid and Aged People and Infants. Highly recommended by Medical Profession.
INFANTS' FOODS packed under Chemists' "OWN NAMES."
Terms and all particulars on request.

ALL CHEMISTS SHOULD STOCK ABDINE
THE GOLD MEDAL FRUIT DRINK.
Quick Seller. Big Profits. Over 40 Years' Reputation.
"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 1½d. each; Boxes of 13 packets, 1/6.
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Will call at your store if they know you stock Vi-Cocoa because this food beverage of the people is in great demand as a tonic restorative in cases of mental and physical overstrain.

Display Vi-Cocoa in your window—it will attract many who would otherwise pass you by. Write for trade terms to-day—they are particularly favourable.

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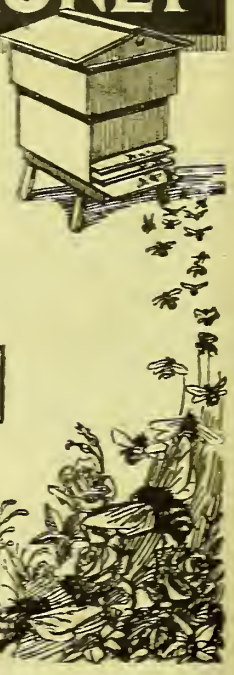
SPRING'S TABLE HONEY



"Heather,"
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Specially refined and packed for table use.

SPRING & CO., LTD.
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The largest collectors and packers in Great Britain.

New Product of Genatosan, Ltd.

GENASPRIN

(Brand of acetyl-salicylic acid)

Nearly 80 p.c. Profit on your Capital Outlay

"The claim is substantiated that this preparation (Genasprin) is a particularly pure specimen of acetyl-salicylic acid," says *The Lancet*: and a Physician writes in *The Medical Times*: "In Genasprin we have an aspirin tablet possessing marked advantages over all other forms of acetyl-salicylic acid."

That is why we are confident, with *your* co-operation, of making this the best selling aspirin on the market. Owing to the shortage of bottles we are at present advertising it only in a few large provincial towns, where it has met with instantaneous success: but our advertising will be gradually extended, and meanwhile we can guarantee prompt delivery of all orders from pharmacists everywhere who would like to anticipate the coming demand.

Note these Generous Trade Terms and order Genasprin *now*.

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10% Advertising Discount for *Mixed* Order (Sanatogen, Formamint, &c., including any quantity of Genasprin) to total £7 10 0				
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Special Bonus for Direct Cash Orders (Genasprin only)

For every Retail Order for 7 Dozen Bottles, Bonus given of ½ Dozen additional Bottles

7½ Doz. Bottles at 2/- each	Trade Price for 7 doz., less 10% Advertising Discount on £5 order, Genasprin only	Profit per 7½ doz.	Percentage on Capital Outlay	Percentage on Sale
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Argentum Nucleinate

1 oz. and 1 lb.
Bottles.

ASPIRIN ACID ACETYLSALICYLIC

SUPER P.B. QUALITY.
Free from Acetic or Salicylic Acids.
Melting Point 135°.
Bulk and Tablets.

SILVER PROTEINATE

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British Make.

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Guaranteed to conform to the provisions of the Food and Drugs Acts.

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$CaH_4(PO_4)_2$.
A British Product equal to Cream Tartar 98 p.c.
Superior from health standpoint
100 parts Neutralise
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Contains 24 % Silver with Protein obtained from Wheat.
The most important and satisfactory of all Silver Salts.
In 1 oz. & ½ oz. bottles.

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Stop flow of blood at once.

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LYSOL

Acid Benzoic
Acid Carbolic
Acid Salicylic
Sodium Benzoate
Sodium Salicylic

SANATOGEN

With 100 per cent. profit.

3/3 size ... ... 20/- dozen.
6/- ,, ... 36/- ,,
Carriage Paid.

"SANATOGEN" is no longer a registered trade mark, but has been wisely dedicated to the public, and can be used by anyone. No human being or company can acquire a monopoly in it.

I manufacture according to Wulfing's expired patent a very fine All-British product fully equal to the original in all respects and more palatable, ready packed to sell at

100 per cent. profit.

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(Oil and Spirit Soluble)

A Message to Overseas Buyers:

PAGE 15
AYRTON'S

We have recently printed a revised issue of our List, and necessarily it has been a limited edition.

If you have not received a copy, advise us by return, and we will send with it other printed matter which will arouse your interest, and what is more to the point, open up new vistas of profitable business.

In the meantime, you may be assured that any orders you place with us will be handled with celerity and that close attention to detail which makes business easy.

The
Ayrton Service
includes **Drugs, Chemicals, Pharmaceutical Preparations, Sundries, Packed Goods, Tablets, etc.**

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Watts' Embrocation, or Curb Bottle.
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Of all the leading Druggists' Sundries Houses:

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Retail Prices:
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LEAVE YOU A PROFIT of 75% and 50% RESPECTIVELY.

LIQUID VIRUS for large applications at 6/- per quart bottle, making about 5 lb. of bait.

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MR. TOOHIG, Chemist, Narbeth, writes:—"I almost daily receive praise of the effects of your 'Rodine' Rat Poison—especially from farmers."

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"Rodine" assures satisfaction to every user. Get it on best terms.

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BUGS FLEAS MOTHS BEETLES

Tins 1s 3s 6s 1/-

The Northern Tin Canister Works,

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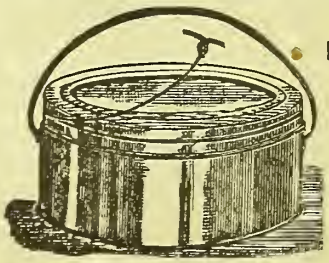
LIVERPOOL.



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Patent Air Tight Slip-lid Tin for Export.

Prompt Deliveries Assured.

BAISS BROTHERS & COMPANY, Ltd.

SCAMMONY RESIN

Lump or Powder.

In wholesale quantities.

MEDICINAL EXTRACTS

of all kinds, solid and liquid.

Belladonna, Hyoscyamus, etc., etc.

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Contractors to His Majesty's Government; the Crown Agents for the Colonies; various Foreign Governments; and the principal Hospitals and Institutions at Home and Abroad.

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"I have compared M. & J. Aspirin with other makes, but get quicker physiological action from M. & J. than with any other brand."—M.B., B.S.

"I have used your Tablets with the most perfect and satisfactory results. The patients I treated with your tablets did not complain of either sickness or depression."—L.R.C.P., L.R.C.S.

"I find my customers prefer your Aspirin Tablets to any other make. Therapeutically they are excellent and they are compressed just to the right point."—A Pharmacist.

WE MEET COMPETITION IN PRICE BUT FEAR NONE IN QUALITY.——MAY WE QUOTE YOU?

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MENLEY & JAMES, Ltd.,
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Contractors to H.M. WAR OFFICE. Works—CAMBERWELL, LONDON, S.E.

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The best thing out for Rough Skin and
CHAPPED HANDS.
Sold everywhere at the popular price—3d.
TRADE PRICES: 6 doz., 12/- net; 12 doz., 23/6, carriage paid.
13 to the dozen for Cash with Order.
Discount Orders of 20/-, 2½% ; £5, 5% ; £10, 7½%.
SPECIAL OFFER.
13 doz. Tablets, with Advertising Matter, 23/6, less 2½% (£1 2s. 11d. net). Cash with Order.

Recent Testimonial. *October 1918.*
"I am delighted with the result of 'Plano.' Please send some more for my friends, who think it marvellous."

MILNER'S CHEMICAL CO., LIVERPOOL.

DAMANCY & CO., HARROW.

DIGESTENZYMES.

Prescribed by more than 800 physicians. The well-known preparation for indigestion, flatulence, derangements generally of the stomach and intestines, inflammation and ulceration of the stomach and in wasting diseases. Retail prices (bottles free, carriage paid):—Tablets, 25, 9*d.*; 100, 2*s.* 3*d.*; 500, 10*s.*; 1,000, 19*s.* Elixir (Concentrated 1 to 7) ½ lb., 3*s.* 6*d.*; 1 lb., 6*s*, 6*d.*; 7 lb., 6*s*. per lb.

'Please send me a winchester Elixir Digestenzymes. I cannot get on without it' ——, M.D.Lond., M.R.C.S., L.R.C.P.

SOTOL ANTISEPTIC MOUTH and THROAT and Nasal Douche WASH

IN CONVENIENT TABLET FORM.

SOTOL TOOTH POWDER

(NON-CARBOLIC).

SOLD ONLY IN 1/- BOXES.

For Trade Terms for the above and other "WESDENCO" Specialities (all on the P.A.T.A.), Advertising Matter, Special Window Display Terms, etc., apply

THE WESTERN DENTAL MFG. CO., Limited,
74 WIGMORE ST., LONDON, W. 1.
(Contractors to H.M. Admiralty and War Office).

Laboratories—WEST EALING, LONDON, W. 13.

CHEMISTS, BE PATRIOTIC!!

SEND YOUR DEVELOPING & PRINTING TO THE SILVER BADGE FIRM.

Principals & Employees are Ex-Service Men.

THE "VICTORY" DEVELOPING CO.,
DURRINGTON, WILTS.

WE GUARANTEE QUICK SERVICE
AEROPLANE QUALITY AT SUBMARINE PRICES
GIVE US A TRIAL. Phone: IY5 BULFORD.

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

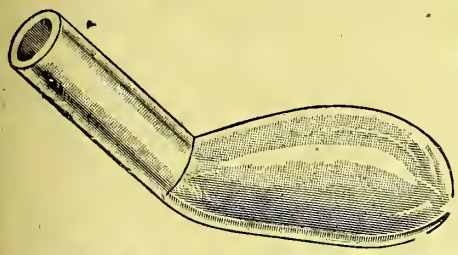
Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

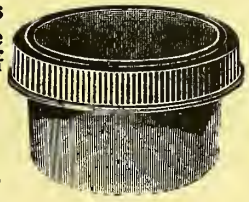
Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

We are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in England. Let us have your inquiries. You will find our prices competitive and our deliveries smart. Besides we also have varied stocks of Glass Bottles.



Send us your inquiries and ask for our Stock List.



Sole Agents for the "SOLIDITE" Composition Corks, made in various sizes and colours. Samples and prices will be sent on application.

JULES LANG & SON, Charlton Works, Charlton Place, ISLINGTON, LONDON, N.1.

Telegrams: "Assorted, Nordo, London." Telephones: North 1344-5 (2 lines)

Sole Proprietor: FERNAND RENÉ LANG.

"Lanzone" Lanolin

The Odourless Adeps Lanæ, B.P. Manufactured by
THE LONDON PHARMACEUTICAL REFINERS, LIMITED,
Martin's Yard, Endwell Road - LONDON, S.E. 4.

In a leading article in the "Medical Press" of June 26, 1918, occurs the following:—

"I hope that the same effort will be made to abolish Hun drugs as to get rid of Hun dyes. In one direction I am glad to find that this is being seriously attempted. One of the most important bases for ointments is lanoline. Now the English lanoline which is made by the London Pharmaceutical Refiners, Limited, of Brockley, has the merit of being superior to the old German lanoline. The B.P. allowance of fatty acids is '7, whereas this new English lanoline shows only '27. The new preparation is quite odourless, and acid fats do not develop in it by keeping. These are great merits, and show the extreme care with which the refining process has been carried out by the British refiners."

Samples and Quotations from the Selling Agents:

THE PRODUCE BROKERS' COMPANY, LIMITED, 24 St. Mary Axe, LONDON, E.C. 3.

Collapsible Tubes Sprinkler Stoppers

PLAIN AND PRINTED.

FILLING & CLOSING MACHINES

METAL CLIPS for ends of Tubes and MACHINES for fixing same.
SCREW CAPS, METAL TOP CORKS, etc., etc.

Inquiries invited.

24 CITY ROAD
Finsbury Square
LONDON, E.C. 1

(2)

FOR LARGE BUYERS.

Dry Shampoo

(LIQUID).

Also Brilliantines, Bay Rums, Toilet Paraffins, Lime Creams, Pomade Hongroise, Tooth Powders, Dental Creams, Vanishing Creams, Shampoo Powders, and all Toilet Goods.

LOW PRICES for HIGH QUALITY.

STOKES & CO., Ltd.

Manufacturing Chemists and Perfumers
Desk 11,31-35 Lower Castle, St., BRISTOL.

(9

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL.

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.	6/6
" " " " " bottles in cartons	2/-	16/-

Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

	Box.	Doz.
A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box ○ 8d.	2/-	18/-

Advertising that assists YOU!

THROUGH the press, MOVOL has gained public confidence. Housewives are still being told about it. Some have yet to learn its wonderful power of making Iron-mould, Ink and Fruit stains disappear, and *all* are told that

TRADE MARK
MOVOL
Regd

can be bought from Chemists everywhere. Have you got your stock displayed and are you reaping the profits?

Mail a P.C. for trial stock and display material to

W. EDGE & SONS, Ltd.
BOLTON, LANCS.
(The Drummer Dye People.)

It PAYS handsomely

to make a leading line of Anzora Cream, for this unrivalled preparation for the hair is a *proved* quick seller, and will give satisfaction to even the most fastidious customer. It is the only non-greasy cream that will effectually master the hair and keep it in place all day. *Do not stock substitutes*, for they are bound to disappoint, and liable to leave flaky deposits.

ANZORA CREAM & ANZORA VIOLA (for dry scalps) are on the P.A.T.A. List.

TRADE TERMS:

11/6 per doz.; Retailed at 18/-
19/6 „ „ „ 30/-

ANZORA
HAIR CREAM

THE ANZORA PERFUMERY CO.
28, 32, 34 WILLESDEN LANE, N.W. 6.

The Finest Quality Aerated Waters are made only with the Finest Quality ESSENCES

Boake Roberts'

Soluble Essences are of the finest quality and being extremely concentrated are most economical

Lemon	**Ginger Ale**
Orange	**Stone Ginger (Cloudy)**
Ginger	**Clear Ginger Beer**
Raspberry	**Kola Champagne**
Strawberry	**Lime Juice and Soda**
Pineapple	**Lemon Squash**
	Vanilla

A. Boake Roberts & Co. Ltd.
Stratford, London.

GIBBS to the FRONT

In spite of the enormous demand for our advertised Specialities—

COLD CREAM TOILET SOAP

SHAVING SOAP ✣ DENTIFRICE

we are pleased to inform our numerous patrons that we are now in a position to execute orders for the above without delay.

Send your orders along to

D. & W. GIBBS, Ltd. CITY SOAP WORKS, LONDON - E. 1.

Established 1712. Royal Warrant Holders.

Enolin

TOOTH PASTE

"STRONG" OR "MILD"

The Super Paste.

SOLE MANUFACTURERS & PROPRIETORS:
A. & E. CARRERAS, *Perfumers,*
Offices: 207 King St., Hammersmith, London, W. 6.

Telephone: HAMMERSMITH 600.
Telegrams: "ESOLINDOL, HAMMER, LONDON."

The Popularity of "Harlene Hair Drill."

EVERY DAY EMPHASISES THE NECESSITY FOR MEETING THE PUBLIC DEMAND.

The widespread publicity initiated by the Proprietors of "Harlene" over a number of years and vigorously maintained right up to the present time, in spite of many difficulties and increasing expense, continues to draw an immense response from all parts of the country. Thousands of sample parcels are dispatched daily, thus increasing the number of possible customers to retail stores everywhere.

NOTE.

The Contents of the Free HARLENE OUTFITS comprise

1. **Trial Bottle of Harlene.**
2. **A "Cremex" Shampoo Powder.**
3. **Trial Bottle of "Uzon" Brilliantine.**
4. **Book of Instructions.**

FOLLOW THE TIDE OF SUCCESS.

Watch the great Free Gift Advertising Campaign that brings the Customers to your shop.

HAVE YOU A GOOD STOCK OF "HARLENE HAIR DRILL" PREPARATIONS?

No Chemist or Store can afford to be without this unique line of Toilet Preparations

"HARLENE" FOR THE HAIR
"UZON" BRILLIANTINE
"ASTINE" VANISHING CREAM
"ASTOL" FOR GREY HAIR
"CREMEX" SHAMPOO POWDERS
"ASTINE" SHAVING STICK
"ASTINOL" AROMATIC FLUID.

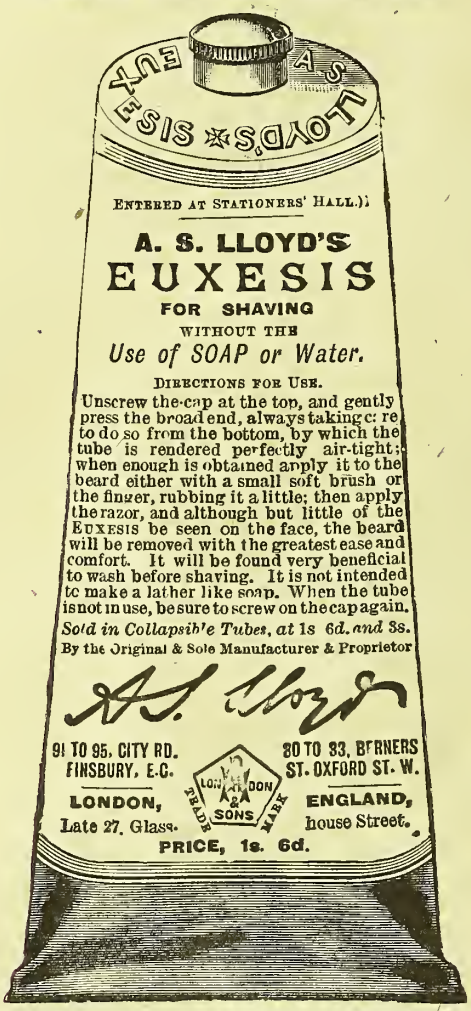
For Particulars, Advertising Literature, &c., write to

EDWARDS' HARLENE, Ltd., 20, 22, 24 and 26 LAMB'S CONDUIT STREET : : LONDON, W.C. 1.

A. S. LLOYD'S EUXESIS

(THE GENUINE.)

For Shaving without Soap, Water or Brush.



Sold by all Perfumers and Chemists throughout the World.

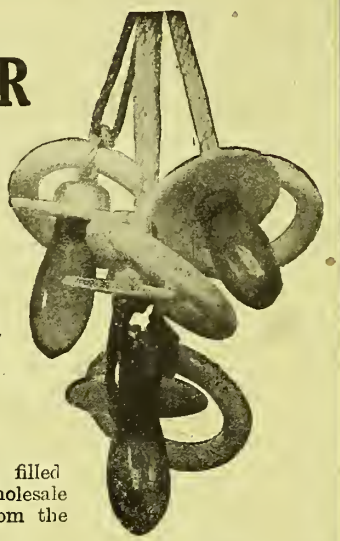
R. HOVENDEN & SONS having purchased, under an administration suit, the Business of the late A. S. LLOYD, with the Receipt, Trade-mark, and Goodwill of the celebrated Euxesis, the Trade are cautioned that the original and genuine Euxesis is now manufactured at our Factory ONLY, and may be obtained at either of our Warehouses at the following prices:

10/6 *per dozen;* **10/3** *by the 6 dozen.*
Retails at **1/6** *per tube;* **3/-** *size to order.*

NOTICE.—THE GENUINE A. S. LLOYD'S EUXESIS bears a label printed in BLACK only on a Yellow ground, with our Trade Mark at the bottom, as illustration.

Proprietors: R. HOVENDEN & SONS, LTD.,
LONDON: 29-33 Berners Street, W., and 89-95 City Road, E.C.

The "EVERSAFE" BABY PACIFIER



Patented Everywhere

PRESENT RATES.

No.			
2.	4d. line	2/8	doz.
2C.	6d. „	3/-	„
9.	6d. „	3/-	„
3.	7½d. „	4/6	„

Orders promptly filled through the wholesale trade, or direct from the Patentees.

Trial orders, minimum value 13/6 cash with order, carriage paid U.K. from

F. SCHUTZE & CO., Ltd.,
Black Bull Works, London, N.

ATTRACTIVE APPEARANCE

USE THE

DEMON SEALING MACHINE

THE QUICKEST, SIMPLEST & SUREST METHOD OF PARCELLING.

Ask for particulars and samples, or, better still, our representative will be pleased to call and demonstrate.

GUMMED PAPERS LTD.
Regd. Offices:
47 RUTLAND ST., LEICESTER

A. S. LLOYD'S EUXESIS.

For Shaving without Soap, Water, or Brush.

CAUTION.

The Labels on GENUINE EUXESIS bear two signatures—A. S. Lloyd in Black Ink, and that of his Widow, Aimée Lloyd, in RED. Refuse any other.

Sole Manufacturers and Proprietors: **AIMÉE LLOYD & CO.**

23 PANTON STREET (formerly named Spur Street), HAYMARKET, LONDON, S.W.

N.B.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).

BRITISH MADE

TIN FOIL

Highly polished foils—printed, lacquered, embossed or plain. Guaranteed free from lead for tobacco, cigarettes, foodstuffs, etc. In sheets or reels—large or small quantities.

Also collapsible tubes in pure tin, pure lead or lead-coated with tin for rubber solution, artists' colours, tooth pastes and other toilet preparations.

Manufactured by

Venesta Ltd.
1, Great Tower St. EC.
London England

Toilet Articles of Pre-war Quality.

IN these days of substitution and makeshift, it is pleasing to know that so far as Toilet Preparations are concerned, the pre-war purity and excellence is still to be obtained in the Pomeroy Specialities. Here are three which will give satisfaction and pleasure to your customers.

Pomeroy Skin Food
1/6, 3/6 & 5/- Pots.

Pomeroy (MENTHO-CARBOLIC) Tooth Paste
1/- Tubes.

Pomeroy Day Cream
2/6 & 5/- Vases.

Trade terms from
Mrs. POMEROY, Ltd., 115 Harwood Rd., Walham Green, London, S.W.

Bay Rum Cantharidine & Rosemary
FOR THE HAIR.

SMART PACK.
ESPECIALLY EFFECTIVE FORMULA.
ATTRACTIVE ART SHOWCARDS.

8-oz. Bottles, **8/6** dozen. **99/-** gross.
Less 5 per cent., cash 14 days.

SPECIAL OFFER
DURING JANUARY

WITH EVERY ORDER for 1 gross we will enclose ½ gross of our Famous SKIN TABLETS, retailing 9/-, FREE.

CARMOL MANUFACTURING CO.
28 BATH ROW, BIRMINGHAM.

P.A.T.A. NOTICE.

113 TEMPLE CHAMBERS, E.C. 4.

To Retail and Wholesale Vendors of P.A.T.A. Proprietary Articles who are Non-Members.

1918 has been a year of prosperity to most of you. May we ask you to consider how much of the increased profit you have made on sales is due to the work of the P.A.T.A.? May we also ask you to consider whether it is quite fair to continue to pile away these extra profits in your bank and offer nothing in return to the agency that helps you? The annual retail subscription is only 7/6—less than 2d. a week. The present is an excellent time to join, and it is suggested that you send a crossed P.O. or cheque immediately to—

The Secretary,
113 Temple Chambers,
London, E.C. 4.

CHLOROPHYLL

(OIL SOLUBLE)

M. M. & R.

Guaranteed to be of Vegetable origin and of the highest possible concentration.

Packed for Export shipment in 5, 10, 25 and 50-lb. cans, packages inclusive.

TERMS—F.A.S. Vessel,
Cash against documents in New York.

MAGNUS, MABEE & REYNARD, Inc.

Essential Oils, Chemicals & Drugs,

NEW YORK, N.Y., U.S.A.

Cables—"MAGLAUR."

SAMPLE CHEERFULLY SUBMITTED.

The EVAN WILLIAM'S
ORIGINAL
Henna Shampoo

WE ARE THE HENNA SHAMPOO SPECIALISTS.

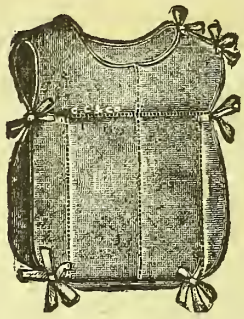
Our factories are devoted entirely to the study, development and production of the **EVAN WILLIAMS' ORIGINAL HENNA SHAMPOO.**

Evan Williams' is the only genuine and reliable Henna Shampoo, and is guaranteed to give complete satisfaction. It is advertised in the whole of the national press which appeals specially to women, and ladies in daily increasing numbers are adopting the Evan Williams' treatment; it will pay you to secure this profitable business for your establishment.

The EVAN WILLIAMS Co, Ltd.,
18 & 18a OGLE St. FOLEY St. LONDON W.1.

(2)

Winter's Chills are here, therefore stock



"ZUDOR" JACKETS

Facsimile of Showcard.

Made in six stock sizes.
Any special size made to order.

SHOWCARDS AND ADVERTISING MATTER SUPPLIED WITH EACH ORDER.

IN TWO QUALITIES.

No.	Across chest	Shoulder to waist	COTTON WOOL. Per doz.	COTTON WOOL. Retail each	LAMB'S WOOL. Per doz.	LAMB'S WOOL. Retail each
1	8 in.	6 in.	9/6	1/3	16/	2/-
2	10 in.	8 in.	12/-	1/6	20/-	2/8
3	12 in.	10 in.	16/6	2/-	24/-	3/4
4	15 in.	12 in.	20/6	2/6	28/-	4/-
5	19 in.	13 in.	25/-	3/-	32/-	5/-
6	21 in.	15 in.	30/-	3/9	40/-	5/6

Owing to the exceptionally large call we are having for "ZUDORS," we would advise Customers to order NOW.

CUXSON, GERRARD & CO., Ltd., OLDBURY & BIRMINGHAM.

FACE CREAM. TOOTH POWDER. NAIL POLISH
" POWDER. " PASTE. HAIR CREAM
BRILLIANTINE, Solid and Liquid. PERFUMES
VIOLET POWDER. TALCUM. TOILET OATMEAL
SHAMPOO POWDER & LIQUID. MASSAGE CREAM

Your own formula prepared, or we can supply ingredients if desired.
Send for samples and quotations.

A. CONNELL & CO., 3 Jewry Street, LONDON, E.C. 3
PHONE—AVENUE 1945.

"Strodonia" VANISHING CREAM

For displaying a small showcard, we make the following offer on INITIAL DIRECT ORDERS (One parcel only):—

1½ dozen	7½d.	selling for	11 3
¾ "	1/-	" "	9 0
For 10/- cash with order, carriage paid.			20 3

7½d. and 1/- - - - 5/6 and 9/- per dozen.
From London Wholesalers.

Direct Orders value £5 subject to 10% discount and 1 doz. 1/- size bonus for window display, showing 38% on Turnover.

STRODE COSH & PENFOLD, Manufacturing Chemists LOWER UNION ST., **BRISTOL.**

EVEN WHEN
UPSIDE DOWN
the contents do not leak if the bottle is capped with

SEMREH
BOTTLE CAPS.
They provide a Hermetic Seal.

THE VISCOSE DEVLPT. CO., LTD.
BROMLEY : KENT.

CROSFIELDS'
CHEMICALLY PURE GLYCERINE.
PYRAMID BRAND.

The finest Glycerine obtainable for medicinal purposes. Absolutely pure. Guaranteed to stand all the tests of the British Pharmacopœia.

IN 14 lb. 28 lb. & 56 lb. TINS. (WOODEN CASES.)
1, 2½, 5 & 10 CWT. DRUMS. (RETURNABLE)

JOSEPH CROSFIELD & SONS LTD Chemical Manufrs. WARRINGTON.

Seasonable Winter Goods

The 'FASTNET' Series

Chest Jackets.
Sizes Nos. 3-8.

Hot Water Bottle Covers.
Sizes Nos. 1-4.

Sleeping Socks.
Sizes Nos. 1-3.

All the above are very attractively made in white material, lined in the middle with cotton wool. Easily washed. Wear well.

AGENTS—

JOHN TIMPSON & Co., Ltd., 104 Golden Lane, London

Cablegrams: "Porous, Phone, London." Telephones: City 6910, 6911.

Manufactured by The "FASTNET" Surgical Dressing Co., Ltd., Highbury, London, England.

Roboleine

Constituents.

65 per cent. Profit to you. Window Display terms.

A scientific reconstructive tonic food, pleasant to take, easy of digestion, and readily absorbed.

Maltose, Diastase, Lecithin, Cholesterin, Phosphorus, Calcium, Sodium & Potassium.

P.A.T.A. Prices.	Min. Ret. each.	Wholesale per doz.
Small size . .	1/1½	11/–
Medium size .	3/–	28/5
Large size . .	5/4	51/–

Maglactis.

Yields 40 per cent. Profit if sold at face value. Window Display Terms.

A palatable, neutral, hydrated, milk of magnesia in perfect suspension, especially suitable for children and invalids as an antacid and mild aperient.

P.A.T.A. Prices.	Min. Ret. each.	Wholesale per doz.
	1/2	10/5

Pulticine.

"The all-British Poultice," yields 40 per cent. Profit if sold at face value.

Inflammation and Pulticine cannot exist together. All inflammatory conditions, whether deep-seated or superficial, quickly yield to Pulticine treatment.

P.A.T.A. Prices.	Min. Ret. each.	Wholesale per doz.
Small size . .	2/6	23/–
Medium size .	4/3	37/–
Large size . .	6/–	51/–

Chemists should order at once to meet the demand. Write for window show and bonus terms.

OPPENHEIMER, SON & CO., Ltd.

179 Queen Victoria St., London, E.C. 4.

Entirely British House since foundation.

TRADE MARK 'TABLOID' BRAND

B.P. or BETTER

Antipyretics

You can attract more prescriptions and more repeats for 'TABLOID' products if you give prominence to them.

The immense demand for 'TABLOID' products brings millions of customers to the retail trade.

Are you getting your full share?

'TABLOID' products, unless coated, are embossed with the words—'TABLOID' BRAND

TYPICAL PRODUCTS:

'TABLOID' BRAND Aspirin

Prepared from acetylsalicylic acid of the highest possible purity.

	Per doz. ovals of 25	Per doz. bottles of 100
Gr. 5	12/0	36/0
0·5 gm.	18/0	54/0

'TABLOID' BRAND Antipyrine

	Per doz. ovals of 25	Per doz. bottles of 100
Gr. 2½	20/0	60/0
Gr. 5	27/0	96/0
0·25 gm.	24/0	84/0
0·5 gm.	40/0	140/0

'TABLOID' BRAND Antifebrin

	Per doz. ovals of 25	Per doz. bottles of 100
Gr. 2	6/0	18/0
Gr. 5	7/0	21/0
0·1 gm.	6/0	
0·25 gm.	7/0	21/0

'TABLOID' BRAND Phenacetin

	Per doz. ovals of 25	Per doz. bottles of 100
Gr. 1	6/0	18/0
Gr. 5	16/0	54/0
0·1 gm.	8/0	24/0
0·25 gm.	14/0	42/0
0·5 gm.	24/0	72/0

'TABLOID' BRAND Sodium Salicylate

(Physiologically pure)

	Per doz. ovals of 25	Per doz. bottles of 100
Gr. 3	7/0	21/0
Gr. 5	8/0	24/0
0·5 gm.	12/0	36/0
1 gm.	20/0	

BURROUGHS WELLCOME & CO., LONDON
NEW YORK MONTREAL SYDNEY CAPE TOWN MILAN
SHANGHAI BUENOS AIRES BOMBAY

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5 PLATT STREET, NEW YORK CITY.

Brokers & Commission Merchants.

DRUGS, CHEMICALS, ETC.

Buying and Selling Agents for leading Houses in all parts of the World.

Weekly Market Reports Mailed on request of Wholesale Buyers only.

"*Mr. Benger's admirable preparation.*"
The LANCET.

BENGER'S Food
For INFANTS, INVALIDS and the AGED.

55

On the P. A. T. A.

Minimum Retail Prices
(Face value).

No.0 size.	No.1 size.	No.2 size.	No.3 size.
1/4	2/-	3/9	7/6

per tin.

Wholesale of all Wholesale Houses and Shippers or from the Manufacturers:
BENGER'S FOOD LTD.,—MANCHESTER, Eng.
Branch Offices: New York & Sydney. Depôts throughout Canada.

PEACE OF MIND

Comes to those discriminating chemists who see that their customers shall have goods that make "back answers" impossible. They make sure of the Quality, appearance, virtues, and —assuming that the profit end is good—get them, show them and sell them with confidence.

5/- PER DOZ. :: CHRISTY'S :: P.A.T.A. 8½D. EACH

COLD CREAM

NEVER GOES RANCID
IN THE "TWO-GREEN" CARTON.

This is one of these lines. It never separates, is delicately perfumed, and well put up in a No. 7 Collapsible tube. Would you like us to send you 3 doz. as a small trial? It's an everyday line in which quality counts most.

CHRISTY
OLD SWAN LANE,
LONDON, E.C.4

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in Australia, New Zealand and South Africa.

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Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 15*s.*, franco.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 15 ch., franco.

Terms for advertising may be obtained on application to the Publisher
Head Office: 42 CANNON STREET, LONDON, E.C. 4.
Telegrams: "Chemicus. Cannon, London." Telephone Central 3617 (three lines).
Branch Offices: MELBOURNE AND SYDNEY, AUSTRALIA.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, January 28.

National Association of Women Pharmacists, Houldsworth Hall, Deansgate, Manchester (Room No. 2), at 7 P.M. Formation of a local group of the Association. All women pharmacists are invited.

Wednesday, January 29.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Annual meeting and presidential address on "Some Business Problems."

Middlesex Pharmaceutical Association, Holborn Restaurant. Annual dinner. Tickets (7*s.* 6*d.* each) from Mr. Herbert Skinner, 16 Priory Gardens, Highgate, N. 6.

County of Kent Association of Pharmacists, 17 Bloomsbury Square, London, W.C. 1, at 3.30 P.M. Address by Mr. W. S. Glyn-Jones, Secretary of the Pharmaceutical Society.

Friday, January 31.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W. 1, at 5.30 P.M. Professor H. H. Turner on "Giant Suns."

BIRMINGHAM PHARMACEUTICAL ASSOCIATION.—A victory dinner and social evening will be held at the Grand Hotel on February 5. Tickets for the dinner (5*s.* 6*d.* each) and for the social evening (3*s.* each) may be had before February 1 from Mr. F. Smith, 221 Soho Road, Birmingham.

RADIUM ORE.—"The Times" states that an important discovery of pitchblende has been made on the Kingswood estate, Buckfastleigh, Devon.

Experiences of the Great War.

Contributions to this section are invited.

V.—Drug-prices in Belgium.

Dr. A. Schamelhout, pharmacist, Ixelles, Brussels, sends us an interesting account of the conditions of pharmacy in Belgium under German occupation. Particularly interesting to English pharmacists are the wholesale prices for 1918, which we have tabulated, giving the prices in English currency and also those quoted in a London drug-list early in 1918 to compare with them.

	Price in Brussels	Price in London
Acetomorph. hydrochlor.	13/4 drm.	7/- drm.
Acid. acetic. glac.	45/- lb.	5/3 lb.
,, boric	20/- lb.	1/- lb.
,, carbolic	55/- lb.	2/10 lb.
,, tannic	65/- lb.	10/6 lb.
,, tartaric	84/- lb.	3/6 lb.
Adeps lanæ	24/6 lb.	2/6 lb.
Aloes	78/6 lb.	2/6 lb.
Alum	5/6 lb.	5*d.* lb.
Argent. nit.	10/- oz.	3/6 oz.
Balsam peru	21/- oz.	2/- oz.
Bismuth salts	112/6 lb.	16/- lb.
Borax	18/- lb.	6*d.* lb.
Caffein	5/6 oz.	5/3 oz.
Calomel	5/- oz.	7*d.* oz.
Cantharides	8/9 oz.	1/7 oz.
Chloralhydrate	61/- lb.	16/3 lb.
Chloroform	16/9 lb.	6/- lb.
Cocaine hydrochlor.	57/9 oz.	60/- oz.
Codeine	11/- drm.	6/- drm.
Cream of tartar	47/9 lb.	4/- lb.
Diastase	9/- oz.	3/- oz.
Dionin	11/- drm.	5/6 drm.
Essence lemon	185/- lb.	6/6 lb.
Ferri pot. tart.	75/6 lb.	5/- lb.
Fol. bellad.	8/4 lb.	8/4 lb.
,, menth.	8/- lb.	1/- lb.
Formal	5/3 lb.	1/11 lb.
Gelatin	29/6 lb.	6/8 lb.
Hæmoglobin	6/9 oz.	8*d.* oz.
Hyd perchlor.	3/9 oz.	7*d.* oz.

	Price in Brussels	Price in London
Hypophosphites	112/6 lb.	5/6 lb.
Iodine	56/3 lb.	19/6 lb.
Jalap res.	8/- oz.	3/4 oz.
Linseed meal	4/- lb.	6*d.* lb.
Liq. alum. acet.	6/9 lb.	1/7 lb.
,, ammon. fort.	2/3 lb.	8*d.* lb.
Menthol	17/6 oz.	1/4 oz.
Methyl salicyl.	3/9 oz.	7*d.* oz.
Morph. hydrochlor.	10/- drm.	2/6 drm.
Oleum theobrom.	90/- lb.	2/10 lb.
Ol. menth. pip. Matcham	36/- oz.	10/- oz.
,, morrhuæ	150/- gal.	23/- gal.
,, ricini	24/9 lb.	2/5 lb.
,, terebinth.	245/- gal.	12/- gal.
Potass. bromid.	5/3 lb.	9/- lb.
,, iodid.	47/6 lb.	17/6 lb.
,, nitrat.	11/9 lb.	1/5 lb.
Podoph. res.	25/- oz.	2/3 oz.
Pulv. gum acacia	29/6 lb.	4/3 lb.
,, opii	15/- oz.	6/3 oz.
Rad. glycyr.	16/9 lb.	1/8 lb.
Saffron	60/- oz.	4/3 oz.
Sem. anisi	20/9 lb.	1/7 lb.
Sodii benz.	20/- lb.	1/8 oz.
,, salicyl.	12/9 lb.	11/- lb.
Sulphur	7/6 lb.	6*d.* lb.
Talc	1/10 lb.	4*d.* lb.
Terpin hydrat.	3/9 oz.	4*d.* oz.
Theobromine	25/- oz.	6/9 oz.
Vaseline	18/9 lb.	1/6 lb.

Dr. Schamelhout also writes: Although Brussels has suffered from the war she has not suffered from the horrors of war like a large part of our country, and particularly the two Flanders. Our capital is almost intact, but in the devastated region the pharmacies will have to be rebuilt, and that will entail great difficulty, as death has reduced the number of pharmacists, and for four years no diplomas have been granted, our four Universities having been closed for the duration. It is announced that they will be reopened toward the end of January, and that only students who have fulfilled their military service will be allowed either to commence or to continue their studies. At the same time, it is necessary that there should be a large increase in the number of qualified men, as there is a serious shortage, both in the medical and pharmaceutical professions, and it was severely felt in the recent epidemics of influenza and dysentery. Pharmacists have had to obtain their drugs from Germany at very high prices, and have suffered from the poor quality and the great scarcity, especially of lanolin, vegetable oils, liquorice-root, glycerophosphates, hypophosphites, tannin, boric acid, citric acid, tartaric acid, phosphoric acid, phenol, Peru balsam, camphor, chloroform, turpentine, exalgin, senega, cinnamon, cod-liver oil, glycerin, eucalyptus oil, senna, sulphur, gum acacia, gum tragacanth, sulphurated antimony, potassium nitrate, rhubarb-root, ipecacuanha, etc. At the present time we are absolutely without quinine salts, and it is very urgent that we should obtain some immediately. The Comité National (*C. & D.*, January 4, p. 33) supplied through the local Committees a limited amount of lard sufficient for pharmaceutical purposes, the price at first being 3.00frs. per kilo. (1*s.* 2*d.* lb.), and then 5.00frs. per kilo. (1*s.* 10*d.* lb.). On the outbreak of war our pharmaceutical societies ceased to exist and their publications stopped, but at the beginning of 1916 the national society "La Nationale Pharmaceutique," resumed its activities, its organisation and authority being greatly increased. It has been entrusted with the distribution of alcohol and sugar to pharmacists, doctors, and wholesale druggists, the price of alcohol being 7.50frs. per litre (3*s.* 7*d.* per pint), and sugar rising from 1.50frs. to 3.50frs. per kilo. (7*d.* to 1*s.* 5*d.* lb.), and it also distributed carbide, corks, etc. The Comité National had established an *officine* to supply medicine to necessitous persons in Brussels, but as the interests of pharmacists were threatened the Nationale Pharmaceutique took the matter up, and succeeded in obtaining the same rights for all pharmacies; a new tariff was also prepared which applied equally to drugs supplied for accident-insurance

companies and mutual-aid societies, the remuneration being based on the expenses of manipulation. The Society also took up the question of the supply of saccharin, which was surrounded by many vexatious regulations, and prepared saccharin tablets packed as a proprietary, with the result that the restrictions were greatly relaxed. In 1917 the Society erected a factory at Antwerp for the manufacture of cachets, and it is now doing well. For some time the Nationale Pharmaceutique has been trying to establish a "Nationale Codex," to which the manufacturers will have to conform when making pharmaceutical specialities, and in the future Belgian pharmacists will refuse to sell any not complying with the Codex requirements.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

War Regulations Altered.

Since our last issue the following Regulations or Orders under the Defence of the Realm Act have been altered or suspended. The references are to *The Chemist and Druggist Diary*, 1919:

P. 70. *Calcium Carbide.*—On and after February 1 the maximum prices for dealings in calcium carbide will be amended to the following for quantities of 110 lb. and over, exclusive of carriage charges—namely, 30*l.* a ton for lump sizes, and 30*l.* 10*s.* a ton for granulated sizes up to 15/25 mm.

P. 73. *Oils and Fats.*—Supplies of linseed oil, rape oil, and castor oil are now sufficiently abundant to permit distribution to any consumers in quantities not exceeding 5 tons in 1-ton lots during any one calendar month. No licences will be required provided the oils are for home consumption.

P. 74. *Radium.*—The Radio-Active Substances (Control) Order, 1918, has been suspended.

Saccharin.—The controlled prices have been withdrawn and the price of British saccharin slightly reduced. (See *C. & D.*, January 18, p. 53.)

Sugar.—The rule regarding the importation of sugar has hitherto allowed only 1 lb. to be imported in passengers' or seamen's baggage. On and after February 1 no objection will be raised to importations in this way provided that the quantity is reasonable, and can fairly be described as personal effects.

P. 75. *Tar Oils.*—The operation of the Tar Oils Control Order 1918 has been suspended. This Order prohibited dealings in such oils without a licence.

Birmingham.

Miss Cuirrall has been appointed dispenser at a local military hospital. Two other ladies—Mrs. B. Shammon and Miss Boucher—are similarly engaged in the district.

Mr. Page Croft, a well-known local photographic inventor and lecturer, has been granted his bankruptcy discharge on payment of 500*l.* to his creditors within three weeks.

Shoplifting has become so prevalent in Birmingham that the Stipendiary has issued a general warning. A defendant was fined 5*l.* (or twenty-six days' imprisonment) on January 17.

Sergeant Riley, who has been wounded on active service four times, has returned to his pre-war work on the staff of Southall Bros. & Barclay, Ltd. Two of his brothers have also been in the Army.

Mrs. Barrow Cadbury's scheme for a special "Juvenile Adult Court" for boys and girls of from sixteen to twenty-one has been discussed by the Birmingham Justices, and has been deferred for the present.

Liverpool

Goods (including lozenges) are coming to hand more freely.

A central-area pharmacist changed, the other evening, one of the "Bank of Engraving" 5*l.* notes. Many of these notes are in circulation.

Mr. W. H. Saunders (Ayrton, Saunders & Co., Ltd.) has been re-elected for the thirteenth year in succession as Chairman of the Managers of Clint Road Council School.

The Liverpool Chemists' Association proposes, by changing a rule, to allow retiring members of its Council to seek re-election without the customary twelve months' interval. They are elected for two years.

At Liverpool Police Court on January 15, Joseph Manning, a deserter from the Army, was committed for trial on charges of shopbreaking and theft. It was stated that on the night of December 14 he entered the premises of Budden & Co., Ltd., chemists, Renshaw Street, and stole goods valued at 24*l.*

Mr. F. G. Hines was hailed by a Yorkshire pharmacist present at the Association's meeting on January 25 as a fellow "Tyke." Mr. Hines, however, is an East Anglian. While in Liverpool he visited the Hanover Street firms and several retailers. He was the guest of the Association at the Exchange Station Hotel.

The Liverpool Health Committee have congratulated Professor Beattie (the city bacteriologist), Dr. G. W. Gee, and Mr. F. C. Lewis, on the success of their experimental research on "Electrosal," and granted authority to place the solution on the market, "so that the public may be able to obtain the same at a reasonable cost."

The Liverpool City Justices discussed, at their quarterly meeting on January 20, the methylated-spirit drinking referred to in last week's *C. & D.* (p. 35). Mr. Henry Peet inquired if the Magistrates could do something to assist dealers in methylated spirit with the view of preventing its purchase for drinking purposes. The Justices resolved to send a petition to the Home Office requesting that steps be taken to check the evil in its early stages.

Nottingham.

During the last two years, owing to the serious depletion of their staffs, the majority of the chemists of Nottingham have closed their shops during the dinner-hour, and the advantages of this arrangement have proved so considerable that a strong feeling exists in favour of perpetuating the system. The practice has not been confined to one-man businesses.

The first of what is intended to be a periodical series of district meetings of Boots' managers was held in Nottingham on January 26 to discuss questions affecting organisation. Mr. E. S. Waring, who has been with the company thirty-five years, presided. Among the decisions arrived at was one to establish a monthly magazine for circulation among the employés. A copy of Harold Begbie's book on the fourth Earl Grey was given to each person present, presumably because of its reference to co-partnership, a question in which Sir Jesse Boot is interested. Similar gatherings are to be held in other parts of the country.

Sheffield.

Chemists are giving window-displays to several different embrocations.

The Sheffield Guardians have agreed to a war bonus for their dispensing staff.

It is considered very unlikely that more than two or three men will be considered pivotal men among Sheffield's present quota in the Army; so pharmacists will have to be patient a little longer.

The many friends of Mr. J. Gilbert Jackson will be pleased to hear of the success of his only child, Gilbert, who has passed his Inter. B.Sc. at Sheffield University at the age of eighteen. At present Mr. Jackson, junior, is on duty with the Admiralty; but he will shortly resume his science studies.

Miscellaneous.

WINE-LICENCE.—The Windsor Bench has transferred the medicated-wine licence held by Mr. Robert Wood, chemist and druggist, 50 High Street, to Mr. John James Pickering, who has taken over the business.

METHYLATED-SPIRIT FATALITY.—A Bradford woman named Tetley lost her life lately through leaving a bottle containing methylated spirit on a warm mantelpiece. The bottle burst and its contents became ignited, causing fatal burns.

REDUCED WORKING-HOURS.—Robinson & Sons, Ltd., have just reduced their working-hours for the employés in their surgical-dressing department from fifty-five and a half to forty-six. Previously work used to commence at 6 A.M., but the hours have now been made 8 A.M. to 5.30 P.M.

THE DOCTOR'S ARITHMETIC.—Surprise was expressed at a meeting of the Bangor Guardians on January 17, when it was reported that a medical officer had sent in a bill for 760 oz. of morphine administered to three patients in one quarter. A correction to 218 oz. of morphine solution was subsequently made.

APPOINTMENTS DEPARTMENT.—The headquarters of the London District of the Appointments Department, Ministry of Labour, which district comprises the counties of Kent, Surrey, Sussex, Middlesex, and the whole Metropolitan area of London, has been moved from 99 Queen's Gate, Kensington, to Horrex's Hotel, Strand, London, W.C. 1.

ENEMY TRADE-MARKS.—Genatosan, Ltd., are applying for an Order to rescind the cancellation of the registration of trade-marks 246,802, 257,583 (Sanatogen), and 264,704 (Formamint). These marks were removed from the register in 1916 (*C. & D.*, October 21, 1916, p. 44), and have since

been public property. The hearing takes place at the Patent Office on January 30.

LOZENGES AND THE BABY.—Linseed, licorice, and chlorodyne lozenges figured prominently in a recent Chatham inquest. A girl, aged seventeen, was confined in the infirmary at the Medway Union, and while alone in the ward she gave the baby two mixed-fruit drops and half a linseed, licorice, and chlorodyne lozenge. Immediately after the baby's nose began to bleed, and it died the next day from heart-failure following spasms of the glottis. A sample of the tablets was sent to the Clinical Research Association, Watergate House, Charing Cross, London, for examination. A witness from the Association now stated that the lozenges were composed of cane-sugar and chloroform, and from a test of similar lozenges which he himself bought he found the amount of chloroform was variable and in a very small proportion. The contents of the child's stomach showed on chemical examination the presence of chloroform and, on microscopical examination, vegetable structures and starch grains similar to those found in the lozenges. Witness considered the lozenges harmless unless eaten in very large quantities, but unsuitable for infants. The jury returned a verdict of "Accidental death."

FESTIVITIES.—The employés of Thomas Morson & Son, Ltd., Elm Street, London, W.C., gave a dinner, followed by a concert, on January 18, at the Horseshoe Hotel, Tottenham Court Road, to which they invited the directors and others. The Chairman (Mr. G. E. Chiles) delivered a speech, in which he drew attention to the close friendship that had always existed between the heads of the company and the staff, a friendship so personal that in numerous cases advice or assistance, quite paternal in character, had been given in matters outside the business altogether; and he felt sure that it was this kindly interest in the welfare of the staff that had won that loyalty which is so rarely met with in business nowadays. In reply, Mr. T. P. Morson expressed his pleasure in being able to accept the invitation, and said how much he appreciated the spirit of the staff referred to in the Chairman's speech, and how it would always be his object to study the welfare of all as long as he remained at the helm. The evening was highly successful in every way, a particularly good programme having been arranged. Great amusement was caused by the performers, among whom was Coram, the well-known ventriloquist.

POISONINGS.—At the resumed inquest held on January 16 by the Westminster Coroner on Miss "Billie Carleton," whose death has formed the subject of a long inquiry (*C. & D.*, January 11, p. 36), Mr. Thomas Woolldridge, chemist and druggist, 26 Lisle Street, was called to give evidence. He stated that he had been in Lisle Street about seven years, and was the only chemist in that street. For the past two years he had had women assistants, with the occasional help of Mr. Brandt, Marchmont Street, Mr. Soanes, Thames Ditton, and Mr. John Hugon, Cricklewood, none of them qualified men. He had never sold cocaine at his shop, nor had any of his assistants. He stocked cocaine a long while ago, but when he got rid of men from his shop he decided that he would not stock any poisons coming under Schedule I. of the Pharmacy Act. He had about 60 grains previously, and that was simply used for ointments about four and a half years ago. He had never stocked any since. In response to a request, witness gave the names of six wholesale chemists from whom he purchased cocaine. Confronted by the Coroner with a witness who alleged that he had supplied cocaine (*C. & D.*, 1918, p. 1011), Mr. Woolldridge said that he did not recognise him. This witness, a man named Belcher, subsequently reaffirmed his statement, admitting, however, that he had given some false evidence at the first hearing. In reply to questions by Mr. Huntly Jenkins, counsel for Mr. Woolldridge, Belcher stated that he now realised the seriousness of his dealings in cocaine. Mr. Jenkins continued: Do you realise that if there were criminal proceedings taken in this case you would be a useful witness for the Crown?—I do not think I thought of it in that light. I was too worried. Do you really seriously ask the jury to believe that you were served with—how much cocaine?—A bottle for which I paid 10*l*. Do you really mean it?—Yes. Did he ask where you came from?—Yes. I told him. And he allowed you to walk out of the shop with it?—Yes, but he hesitated for a long time. So far as I know he made no entry. First of all he pretended he did not know Mr. Kimful, but gave me a bottle with a red cross on it. On the second occasion he was alone when I called, and I was allowed to take away a second lot. Further evidence having been given, the inquest was again adjourned.—At the adjourned inquest at Cambridge, on January 17, on the body of Dr. F. H. Marseille, who was found dead in bed (*C. & D.*, January 11, p. 36), medical evidence showed that death was due to veronal poisoning. The report of the analysis of the stomach-contents made by Professor Hopkins showed that ⅓ grain of veronal had been recovered. That veronal could, under the circumstances, be separated at all, suggested, added Professor Hopkins, that the original dose was considerable. No other poison of any kind was found in the stomach. An open verdict was returned.—Mrs. Clough, Stanningley, committed suicide by taking ammonia.

IN THE COURTS.—In the Shoreditch County Court, London, on January 22, Arthur Thos. Kilby, postal sorter, 35 Brunswick Street, E., sued William Fox & Sons, Ltd., chemists, Bethnal Green Road, to recover 3*l*., being loss of wages occasioned by a cut wrist. There was a counterclaim for the recovery of the value of a shop-door glass. The plaintiff's case was that one afternoon he went to one of the defendants' shops to have an Insurance prescription made up, and found the door shut. There was no handle on it, so he pushed against the frame to make sure it was fastened, when the glass fell out and a piece caught his wrist, badly cutting it. He went into their next-door shop and told them what had occurred, when they complained of his having smashed the glass. For the defence, Mr. Ernest H. Fox, a director of the company, gave evidence. He said that he came from upstairs to see what had happened, when he saw a crowd looking at the shop, and the plaintiff rather nettled him by his attitude. Witness bound up his wrist, making no charge. Judge Cluer decided to adjourn the hearing.—At Tower Bridge Police Court, London, on January 21, the hearing was concluded of the case in which Austin G. L. Pennock, air mechanic, and Mark Twiss, chemist's assistant, were charged with offences in connection with a transaction in cocaine (*C. & D.*, January 18, p. 35). Pennock was originally charged with procuring six tubes of cocaine, he being an unauthorised person, and selling two of them; and Twiss was charged with buying the two tubes, he also being an unauthorised person. The charges were now amended, Pennock being charged with supplying cocaine to an unauthorised person, and Twiss with being in possession of cocaine, he not being an authorised person. The reason of the amendment, the Magistrate pointed out, was that by a curious omission the word "buy" was not included in the section in the Defence of the Realm Regulation dealing with cocaine. Dr. Alexander, acting divisional surgeon, giving evidence, said each tube of cocaine contained twelve tablets of ¼ grain each. Four tablets would kill a person, and death had been known to result from the taking of less—two-thirds of a grain. Twiss, giving evidence on oath, said there was no sale of such cocaine at the shop, and his idea in buying the tubes was that he thought they were safer at the shop than in Pennock's possession. He intended to speak to his employer about the transaction. In reply to the Magistrate, he said his employer was on the premises at the time, but he did not consult him. He knew Pennock was acting illegally in selling the cocaine, but it did not occur to him to call in the police. Mr. F. C. Duggleby, chemist and druggist, the employer, said he considered Twiss paid about the market price for the tubes. The Magistrate said that illegal transactions in cocaine were very serious. He fined Pennock 10*l*. and Twiss 20*l*., with 5*l*. 5*s*. costs.—At the same Court, on January 14, Harold Bunce, John Bunce, and Alfred Hill were variously charged by the Excise authorities with attempting to defraud the Customs and with obstructing and assaulting Customs officers. It was stated that Harold Bunce was seen to place a sack containing 7 lb. of saccharin—the treble value and duty of which was 220*l*. 10*s*.—in a van in Great Tower Street. On being challenged, he assaulted two officers in succession. The summonses were adjourned.—At Stratford Police Court, London, on January 15, Cecil Mayers (16), Barclay Road, Walthamstow, described as a chemist's assistant, was charged on remand with being a suspected person and with stealing money from gas-meters. He was bound over.—At Grays, on January 17, J. Molvok, lascar, was fined 2*l*. 15*s*. for smuggling 4 lb. of opium.—At the Lambeth Police Court, before Mr. W. H. Leycester, on January 23, William Walter Banbury, chemist and druggist, manager to Douglas & Co., Ltd., 73 Newington Butts, London, S.E., was charged with offences under the Venereal Disease Act. Mr. H. G. Muskett, for the prosecution, stated that defendant was summoned under Section 1 of the Act, which provided that no person in any area in which the Section is in operation shall, unless he be a duly qualified medical practitioner, for reward, either directly or indirectly, treat any person for venereal disease or prescribe any remedy therefor, or give any advice in respect thereto. Mr. Percy Robinson, representing the defendant, pleaded guilty to one summons. Defendant had been treating a soldier for venereal disease for nine weeks. A fine of 45*l*. and 5*l*. costs was imposed.

Irish News.

Pharmaceutical Society of Ireland.

Attention is directed to the announcement in the Coloured Supplement that the Council require the services of an examiner for the Preliminary examination. The vacancy is occasioned through the retirement of Mr. R. S. Conyngham, M.A., M.P.S.I., whose full statutory term of five years has expired.

The lists of "pivotal" men—*i.e.*, owners, managers, or senior assistants—for early release must be completed before January 30. Full particulars—name, rank, unit, and address—should be sent without delay to Mr. D. M. Watson, c/o The Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin.

Mental Illumination Wanted.

A Derry chemist writes to his local paper: "Can nothing be done to put common sense into the head of whatever Dublin official drafted the Order compelling chemists to keep their shop-doors fastened after 5.30 (save on Fridays and Saturdays), and restricting them after that hour to the sale of medicines? The Order was supposed to be justified on the ground of the need to save light. Yet since the issue the restrictions on shop-window lighting have been removed, so that we have got back to pre-war shop illumination conditions."

Brevities.

Chemists in Cork find it very hard to obtain a sufficient supply of bottles. One chemist, who gave an order six months ago, had only the full amount of his order given him this week.

Sir Stanley Harrington, J.P., chairman of the Cork Chemical and Drug Co., who is a member of the Advisory Committee to the Lord-Lieutenant of Ireland, was the guest of Lord French during the week-end at Dublin Castle.

The influenza epidemic is still prevalent in Ireland, especially in the country districts, but in the cities it appears to have disappeared. The chemists in the small towns are just now very busy and have great difficulty in dealing with the largely increased orders.

The Dundalk Guardians some time ago gave the contract for drugs to Boileau & Boyd, Ltd., Dublin, although their terms were 5 per cent. higher than those in another tender. The Local Government Board has now requested the Guardians to reconsider the decision and to assign the drug-contract from now to March 31 next to Messrs. Storey.

Many new business establishments have sprung up in the South of Ireland since last November, when hostilities ceased. Ireland, despite political unrest, was never so prosperous, and chemists are sharing in the trade boom. The only difficulty is to get goods to meet the demand. Allenbury's Food and such-like commodities are still difficult to obtain.

The lighting restrictions are still in force in Ireland, though the stocks of coal appear to have been replenished very largely. The old-established firms, of course, are not affected by the dark windows, as these shops are well known to customers; but it is different with a man who is trying to establish a connection and make his shop known to the public. This week in Cork some chemists have taken the law into their own hands and had the lights going in their windows, and they were not interfered with by the authorities.

Scottish News.

Scottish Chemists' Retail-price List.

The following are among the alterations in the current Scottish Chemists' Retail-price List: *Drugs.*—Acid. salicylic, 2*d.* dr.; adeps lanæ hyd., 5*d.* oz.; ammon. brom., 3*d.* dr., arnatto, 4*d.* oz.; aq. lavand., 1*s.* 3*d.* oz.; caff. cit., 1*s.* dr.; caryoph., 6*d.* oz.; eau de Cologne, 1*s.* oz.; lin. methyl sal. co., 1*s.* 9*d.* oz.; marant. Berm. 8*d.* oz.; pot. brom., 1*s.* oz.; pot. permang., 1*s.* 6*d.* oz.; sacch. lact., 6*d.* oz., 5*s.* 6*d.* lb.; sulph. præcip., 2*d.* oz.; tro. ac. tannic., 5*d.* oz.; tro. bismuthi, 6*d.* oz. *Packed Goods.*—Bay rum, 4-oz. bot., 1*s.* 10*d.*; fld. ext. cascara, 2-oz. bot., 1*s.* 4*d.*; glyc. suppos., infant's, 1*s.* 2*d.*, child's, 1*s.* 4*d.*, adult's, 1*s.* 8*d.* per doz. *Proprietaries.*—Contrexeville Water, 1*s.* 4*d.*; Jewsbury and Brown's Tooth Paste, 1*s.* 6*d.*, 2*s.* 6*d.*, (tubes) 1*s.* 3*d.*; Pinaud's Eau de Quinine, 3*s.* 6*d.*; Rimmel's Toilet Vinegar, 1*s.* 9*d.*, 4*s.*, 7*s.* 6*d.*; Smith's Primrose Olive Oil, 2*s.* 10*d.*, 5*s.* 6*d.*

Brevities.

When are we to have the Press advertising of pharmacy?

An advertiser in the "Glasgow Herald" describes himself as a "Saccharin Depôt Chemist."

Damage estimated at 6,000*l.* was caused on January 15 by a fire at the chemical works of Briggs & Sons, Ltd., Elliot, Arbroath.

In response to a retailer's urgent request for p. sacch. alb., a wholesale house lately supplied a flat paper packet measuring $3\frac{3}{8}$ in. by $2\frac{3}{4}$ in., and labelled "P. Sacch. Alb., 1 oz."

One effect of war conditions has been to bring retailers and manufacturers into closer touch. The shortages of wholesalers have increased the number of direct or *pro forma* orders.

The desperation with which certain sellers have recently tried to get rid of controlled saccharin to chemists gives evidence of a knowledge that controlled prices would shortly be withdrawn. Chemists were cautious.

Mr. George Bonar, President of the Dundee Chamber of Commerce, has given the sum of 25,000*l.* to the city for educational purposes. The idea is to establish under the control of St. Andrews University a degree in commerce, and while the terms of the gift have not yet been submitted to the University Court, it is proposed that the students going forward for this degree should not be subject to the ordinary University rule of passing the Preliminary examination or its equivalent.

Lord Leverhulme has purchased the guano and oil factory at Stornoway for the utilisation of fish offal. The Stornoway Gas Co. has been bought up, and electric power and lighting will be used for the factories and all other local requirements. Of particular interest to chemists and druggists are the schemes for the production of iodine from seaweed in the island of Lewis, and the utilisation of peat for various purposes. The latter schemes are at present the subjects of experiments and investigation.

Edinburgh.

Pinkerton, Gibson & Co. will close for stocktaking on January 31 and February 1.

The Royal Society of Edinburgh is applying to the Treasury for an increase in the annual grant, on account of the extra cost of its scientific work. The present amount is 600*l.*; the sum asked for is 1,600*l.*

Not long since a prescription for a 6-oz. mixture containing, *inter alia*, "liq. morph., hyd. ʒij.," was received in an Edinburgh pharmacy. The prescriber was reached by 'phone, and the vigilance of the dispenser was rewarded by the information that ʒij. was the quantity intended.

Edinburgh's one and only Zeppelin raid caused little damage to pharmaceutical premises. Many of the bombs were obviously intended for the Castle, and this point was the centre of a circle of explosions, the Royal Infirmary having several narrow escapes. In some of the surrounding districts after the raid it was widely believed that half the inhabitants of the city were afflicted with greenish-coloured features. A traveller, who ordinarily has a somewhat sallow complexion, happened to call at a Lothian chemist's soon after the event. The lady apprentice referred to his recent experience when she got an opportunity. "I see," she said, "that your face still shows traces of the fumes from the high explosives."

Business Changes.

MR. D. P. ROBERTS, chemist and druggist, 120 North End, Croydon, has taken new premises at Poplar Walk.

MR. H. O. LLOYD, manufacturing chemist, has removed from Coventry Road to 27 Green Lane, Small Heath, Birmingham.

BURT, BOULTON & HAYWOOD, LTD., have removed from 64 Cannon Street, London, E.C. 4, to Salisbury House, London Wall, E.C. 2.

MR. J. E. GOODALL, chemist and druggist, has purchased the business of the late Mr. John S. P. Wesley, 6 Bowrons Parade, Wembley, London, N.W.

MR. W. E. HEATON, Ph.C. (Watson's, High Street, Sheffield), is opening a photographic branch in New Bond Street, London, W. 1, where the style and title of the business will be Wallace Heaton, Ltd.

THE BUSINESS of F. H. Plews & Co. has been amalgamated with that of the Casson Chemical Co., Ltd., 11 Craven Hill, Paddington, London, W. 2. Mr. Frank H. Plews, F.C.S., is the general manager of the company.

Education for Demobilised Men.

Director-General of Civil Demobilisation and Resettle-
t of the Ministry of Labour has this week issued par-
ars of the provisional arrangements which have been
e for the administration in England and Wales of the
me of grants to enable ex-Service men of sufficient
ational promise to undertake courses of higher educa-
. It is proposed to bring the scheme into operation
ediately. It extends to all the United Kingdom Forces,
applies equally to officers, warrant officers, non-commis-
ed officers, and men in the ranks, of the Navy, the Army,
the Air Force, provided they are of suitable educational
nise.

An interim grant may be made to an ex-Service candi-
who has made his own arrangements for admission
ing the spring term to a university, or institution of
versity rank, provided that the recognised head of the
itution (or of the college in the case of Oxford, Cam-
ge, or any other university having constituent colleges)
ifies to the Board of Education:

) That the student is, in his opinion, fully up to the
dard of a pass in the Intermediate examination for a
versity degree, or, in the case of an Oxford or Cam-
ge student, has such capacity and attainment that he
ht expect to obtain at least a third-class in a Final
mination for an honours degree if he followed a degree
rse.

i.) That the circumstances of the student are such that,
hout financial assistance, he cannot at once enter upon
course proposed for him.

ii.) That the institution is prepared to defer its demand
fees, pending a definite award in the case. Preference
ld, so far as possible, be given to those candidates who
e seen the longest service.

The amount of the interim grant will not exceed 35*l.*
the spring term.

The arrangement will, if necessary, be extended to the
mer term, as well as to the spring term, and to students
ring in the summer term, as well as to those entering
. Preference in the summer term should, as far as
ible, be given to those candidates who were not in a
tion to apply for admission in the spring term.

The interim grant will be treated as an instalment in
ance out of any definite award that may be made.

The acceptance of a student for an interim grant does not
the Board of Education to make a further or definitive
rd, nor does the amount of the interim award bear any
ssary relation to, or prejudge, the amount of a de-
ive award, which may vary according to individual
mstances, the necessary expenses of education and
tenance, and the value of other awards held by the
ent, from a comparatively small sum up to as much as
per annum for maintenance and 50*l.* per annum for

A candidate for an interim grant, who is otherwise
ble for assistance under the scheme, but is not con-
red by the head of an institution to satisfy the special
itions under which an interim grant can be made, or is
le to obtain admission to an institution immediately,
in no way be prejudiced when his application for
tance made on Army Form Z.15 or Navy Form S.1299,
ch other form as may be appropriate, comes up for
ideration.

A candidate who desires to obtain, and considers that
eligible for, an interim grant under this arrangement
apply directly to the head of the institution which he
es to attend, furnishing such information as to his age,
ce with the Forces, previous education, attainments,
capacity as will help in the consideration of his appli-
n. He must at the earliest possible moment, if he
not already done so, complete Army Form Z.15 or
y Form S.1299, following the directions therein con-
d. This form will be in due course considered with a
to a definitive award, but an interim grant can only
ade as the result of direct application to and recom-
lation by the institution.

Heads of institutions who decide to accept students
under these interim arrangements should send their
mendations, accompanied by the certificates referred
paragraph 1, to: The Secretary, Board of Education,
oria and Albert Museum, South Kensington, S.W. 7.
envelope should be marked "Service Student." It is
sted that a separate application, stating the amount
e interim grant recommended, may be made for each
nt.

The above provisions apply to officers and men of like
ational promise, who have been demobilised from the Forces, but such a candidate, having been recommended for an interim grant by the head of an institution, must immediately communicate with: The Controller, Appointments Department, Hotel Windsor, London, S.W. 1, stating the facts. He will, if necessary, be supplied with a D.O. form, which he must complete immediately. A demobilised candidate for an interim grant who has already been registered with the Appointments Department should so intimate when he makes this communication.

10. Candidates desiring assistance in order to be trained in professional, commercial, or industrial establishments will, if still serving, make application to the Appointments Department, on Army Form Z.15 or Navy Form S.1299 (following the directions on the forms), or, if demobilised, will apply for a D.O. form for the same purpose. The interim grant system is inapplicable to this type of training.

Pharmacists in the Army.

We have received a copy of the following Army Council Instruction (No. 8 of 1919), dated January 3, 1919, referring to the employment of pharmacists and dispensers in the Army.

Classification and Employment of Pharmacists and Dispensers.

1. All pharmacists and their assistants and dispensers serving in the R.A.M.C. will in future be classified as: (A) *Superintending Pharmacists*, (B) *Pharmacists*, or (C) *Dispensers*.

2. (A) *Superintending Pharmacists* and (B) *Pharmacists* will only include those who are—

(i) Registered as pharmaceutical chemists or chemists and druggists in Great Britain. (Major or Minor qualification of the Pharmaceutical Society of Great Britain.)

(ii) Registered as pharmaceutical chemists in Ireland. (Licentiate of the Pharmaceutical Society of Ireland.)

3. The Officer i/c R.A.M.C. Records will verify the qualifications of each man claiming to be a pharmacist and will make the necessary entry on the soldier's documents accordingly.

4. (C) *Dispensers* will include the following:

(i) Those men who have passed the R.A.M.C. examination as dispenser in accordance with Standing Orders, R.A.M.C.

(ii) Those who hold the diplomas of the Society of Apothecaries of London or of Dublin as apothecaries' assistants.

(iii) Those who are registered as chemists and druggists or as druggists in Ireland.

(iv) Those who have been engaged in dispensing medicines for a period of not less than three years [see par. 5 (iv)].

5. Verification of the qualifications of men to be registered as dispensers will be carried out as follows:

(i) By reference to the entries on attestation papers.

(ii) By production of the certificates issued by the licensing body.

(iii) By reference to the official Register of Chemists and Druggists and of Druggists in Ireland.

(iv) By inspection of testimonials from previous employers, and, if considered necessary, by an oral and practical examination conducted by an officer of the R.A.M.C., assisted by a pharmacist.

6. All pharmacists on being posted to the R.A.M.C. will undergo the usual recruits' training at the R.A.M.C. Reserve Training Centre at Blackpool, and will then be posted to the larger hospitals at home, where they will undergo a two months' course of instruction in the duties of a N.C.O. in charge of a dispensary and in the regimental duties of a N.C.O. of the R.A.M.C.

7. The Officer i/c the hospital to which pharmacists are posted for training will arrange for them to be examined at the termination of their course as to their knowledge of the methods of accountancy in the receipt, issue, and dispensing of medical stores, etc., and as to their capability of undertaking the general duties of a N.C.O., R.A.M.C. He will forward a report of the examination to the D.D.M.S., with a nominal roll of those pharmacists whom he considers in all respects fit for subordinate charge of a dispensary.

The D.D.M.S., if he concurs, will forward the names of those recommended to the Officer i/c R.A.M.C. Records, who will have them registered as superintending pharmacists and cause the necessary entries to be made in their documents. These superintending pharmacists will then be considered available for the subordinate charge of a dispensary, and will be posted as required by the D.D.M.S.

for the Command or District, or by the D.G.M.S. or D.M.S. of the Force in which they are serving.

8. In the event of a pharmacist being unfavourably reported upon on the termination of his training, the Officer i/c the hospital may arrange for his further instruction for a period of two months and re-examination, or he may report that he is unsuitable to be employed as a superintending pharmacist. If he considers, however, that he is suitable for employment in dispensing duties although not capable of subordinate charge, he will submit a report on the matter to the D.D.M.S. for transmission to the Officer i/c R.A.M.C. Records. In this case the soldier will remain recorded as a pharmacist, but he will not be eligible for employment as a "superintending pharmacist."

9. In the event of a pharmacist being considered by the Officer i/c the hospital as quite unfit to be employed in the dispensing of medicines, a special report will be rendered by the latter to the D.D.M.S. for transmission to the W.O.

10. All pharmacists serving in the R.A.M.C. at the present time at home and abroad will, unless they are employed on other specialist duties, be posted to hospitals for instruction and examination, but the period of instruction may be curtailed at the discretion of the Officer i/c the hospital. Reports on each pharmacist should be rendered as in pars. 7, 8, and 9.

11. In all hospitals of 100 beds and over a superintending pharmacist will be placed in subordinate charge of the dispensary, but the other *personnel* employed therein on dispensing duties may be either pharmacists or dispensers.

12. A dispenser who has, prior to the date of this A.C.I., passed the examination for dispensers in accordance with the Standing Orders, R.A.M.C., will, if otherwise suitable and recommended by the D.D.M.S., be eligible for the subordinate charge of a dispensary.

13. Where the duties of a superintending pharmacist are being carried out at the present time by a female dispenser, and the Officer i/c the hospital is satisfied that the duties are being satisfactorily performed, the present holders of the appointment may be retained.

14. A superintending pharmacist, or N.C.O., R.A.M.C., qualified as in par. 12, other than a civilian appointed to the subordinate charge of a dispensary will be granted the acting rank of sergeant with pay whilst so employed, and in those hospitals where three or more pharmacists or dispensers are employed he will be given the acting rank of staff-sergeant with pay.

15. No increase of establishment is authorised by this A.C.I., and these ranks will be included in the total ranks of staff-sergeants and sergeants in those units for whom a war establishment exists.

16. In the case of hospitals for which no war establishments exist, these ranks will be held supernumerary to those authorised by the Officer i/c R.A.M.C. Records for the company on the strength of which they are borne, but will be included in the total of other ranks authorised for the hospital or other formation in which they are employed.

17. In those cases where the number of hospital beds on the establishment is less than 100, but the dispensing duties for out-patients are sufficiently important to justify the appointment of a superintending pharmacist, the D.D.M.S. of the Command will submit the case for consideration to the W.O. or to the G.O.C.-in-C. of the Force abroad.

18. In the event of there not being sufficient pharmacists available in the Force or Command, application should be made to the Officer i/c R.A.M.C. Records through the usual channels.

19. Superintending pharmacists will only be included in drafts for service overseas when specially ordered by the W.O., but when units are mobilised for service overseas and dispensers are included in the establishment, a superintending pharmacist should invariably be detailed as the senior except in the case of field ambulances, where dispensers only should be posted.

20. Dispensers may be ordered overseas at the discretion of the Officer i/c R.A.M.C. Records.

Austrian Chemical Activities.—The chemical industry in Austria has grown much during the war. The manufactories have been working at such high pressure as not to stop for the annual repairing of the machinery. Some new undertakings have been announced, all of which have not yet been completed. The output in articles not required for war purposes was steady, as they were exported to neutral countries, although composed mainly of substitute materials. The Austrian production of artificial fertilisers increased so much during the war that there may be an excess of production when peace comes, so that the chemical industry is contemplating how far its plant may be utilised for other purposes. Negotiations have been begun for the extension of the saccharin manufacture.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

Thomas Watson & Co., Ltd. (P.C.).—Capital 2,000*l*. Objects: To carry on business as manufacturers of chemicals, dyes, and general produce, etc. R.O., 23-24 Eldon Street, London, E.C. 2.

David MacQueen Co., Ltd. (P.C.).—Capital 5,000*l*. Objects: To take over the business carried on by F. Hooper as the David MacQueen Co. at 13 Paternoster Row, E.C., and elsewhere, and to carry on the business of manufacturers of medicines, drugs, etc. R.O., 13 Paternoster Row, London, E.C.

Nyal Co., Ltd. (P.C.).—Capital 500*l*. Objects: To carry on business as manufacturers of chemicals, medicinal preparations, etc. The first directors are F. Freese, The Kraal, Great Missenden, manufacturing chemist, and C. H. Moon, Weetwood, Whitchurch Lane, Edgware, manufacturing chemist. R.O., 3 Fleet Lane, London, E.C.

J. & J. Stephenson, Ltd. (P.C.).—Capital 40,000*l*. Objects: To carry on business as seed-crushers, oil extractors and refiners, manufacturers of cakes and feeding-stuffs, soap boilers, margarine manufacturers, offal merchants, manure and tillage manufacturers, manufacturing chemists and druggists, warehousemen, wharfingers, shippers, carriers, shipowners, etc.

Saccharin Corporation, Ltd., have declared a dividend of 18 per cent. (3*s*. 7½*d*. per share) on preference shares for three years ended March 31, 1915; 5,000*l*. has been placed to reserve, and 1,339*l*. carried forward.

Joint-stock Companies.—Notice is given in the "London Gazette," January 10, that the following companies have been struck off the Register and are dissolved: Ashfield Chemical Co., Ltd.; Burnley Mineral Water Co., Ltd.; Leyland Drug Co., Ltd.; Ovoleo Drug Co., Ltd.; West London Chemical and Colour Co., Ltd.

Oowana Soap Co., Ltd.—A petition for the winding-up of the Oowana Soap Co., Ltd., at the instance of H. & F. Worrow & Bettridge, creditors, came again before Mr. Justice Astbury in the Companies' Winding-up Court of the Chancery Division on January 21 (see *C. & D.*, January 18, p. 38). The petition had been allowed to stand over for a week on the understanding that the debt should be paid or the order made forthwith. Mr. Patterson, for the petitioners, said that the debt had not been paid, and asked for his order. His Lordship made an order for the compulsory winding-up of the company.

Boots Cash Chemists (Eastern), Ltd.—The annual meeting was held on January 15 at the Midland Grand Hotel, St. Pancras, Sir Jesse Boot, Bart., J.P. (chairman and managing director), presiding. In the course of a very interesting and instructive speech, Sir Jesse dealt with the many activities of the company during the year, giving details of the valuable war services rendered by the company, especially in regard to the manufacture of fine chemicals and box respirators to combat the poison-gas warfare. The company made almost the whole of the chemicals for 20 million box respirators, and actually delivered 7¾ millions of the respirators complete for the use of the British, American, and Italian Forces. The home industry in fine chemicals was referred to at length by Sir Jesse, who instanced the large output of aspirin, phenacetin, atropine, etc. During the war campaign the company provided 115,000,000 tablets for purifying drinking water for the troops. The production of saccharin and the post-war prospects of saccharin manufacture were also referred to in detail by the Chairman, who drew attention to the fact that the foreign stocks of saccharin, which accumulated under the impetus given to foreign manufacture through unrestricted prices, threaten to swamp the market; and the home producers, who as yet had no time to overcome all the difficulties of new work under extraordinarily adverse conditions, will have to compete in a market where saccharin will be offered at unremunerative prices. "It does seem to me," said Sir Jesse, "that in these circumstances the Government might reasonably give some encouragement to a business largely undertaken to assist them, until its infancy is past and until business conditions generally resume their normal course. This is the more necessary in view of the fact that in connection with home manufacture of saccharin certain conditions have to be imposed for revenue purposes, and these will be an extra cost to which the imported product is not subjected." The directors' report was unanimously adopted. Captain John C. Boot was re-elected a director, and Lady Boot was elected a director of the company.

Births.

HOUGHTON.—At 13 Raapenberg Road, Mowbray, Cape Town, on October 24, 1918, the wife of Mr. G. Smith Houghton, chemist and druggist (Heynes, Mathew, Ltd.), of a son.

MCLELLAN.—At York Place, Kirkintilloch, on January 19, the wife of John Y. McLellan, chemist and druggist, of twin daughters.

WHELAN.—At Leitrim Street, Cork, recently, the wife of . Whelan, Ph.C., of a daughter.

Marriages.

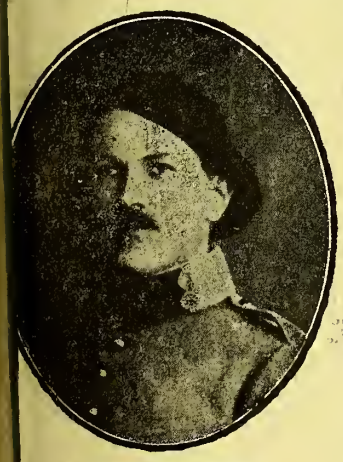
HAND—DARLINGTON.—At Asbury Wesleyan Church, Handsworth, Birmingham, on January 19, Beriah J. Hand, chemist and druggist, eldest son of Mr. A. Hand, Smethwick, W., to Laura, youngest daughter of Mr. S. Darlington, Handsworth.

WATTERS—RENWICK.—At Allars U.F. Manse, on January 14, by the Rev. J. Wotherspoon, assisted by the Rev. Stewart Burns, Willie Park Watters, chemist and druggist, Kilmarnock, to Janie Richardson, second daughter of Mr. . Renwick, 3 Oliver Place, Hawick.

Deaths.

FAWCETT.—At Pietermaritzburg, Natal, on December 2, 1918, of influenza and diabetes, Mr. Christopher Airy Fawcett, Ph.C., aged sixty-two. Mr. Fawcett, who was born at Lancaster, served his apprenticeship in Manchester, and gained further experience as assistant to the late Mr. William Martindale. He passed the Major examination in 1879, and in the same year went out to Natal and established himself there in business. In course of time he became the *doyen* of pharmacy in the Natal capital, where he was held in the highest esteem. He was Government Assayer, Secretary to the Natal Pharmacy Board, and an examiner in pharmacy. He leaves a widow and eight children.

GATTEFOSSÉ.—The death is announced of M. Robert Gattefossé, the well-known perfumery-manufacturer and a director of Gattefossé Fils, Lyons. He was mobilised in the Artillery at the beginning of the war, and was in the retreat from Serbia and in the later Macedonian campaign. An attack of marsh fever left him with a weak heart, and he was never able to recover his normal health. At a subsequent period he fell a victim to influenza, to which he succumbed at the Military Hospital at Besançon. M. Gattefossé took an active interest in all matters relating to the perfumery industry, and his death is deeply deplored. His life was entirely devoted to the art of perfumery, and much of his work will be found in "La Parfumerie Moderne," while he was the author of a new work on perfumery—"Agenda du Chimiste Parfumeur." We gave some particulars of the Gattefossé family in our issue of July 31, 1915. His brother, Maurice René Gattefossé, was severely wounded at Arras early in the war, but is now restored to health; while another brother, Abel, of the 54th Artillery Regiment, died for his country in April 1915.



M. ROBERT GATTEFOSSÉ.

HEWITT.—At 69 Bryant Road, Strood, on January 9, Mr. Joseph Hewitt, chemist and druggist, aged fifty-five. Mr. Hewitt, who was a native of Guisborough, came south when a young man and opened in business at 311 High Street, Chatham, moving later to Strood. He was a member of the local Volunteer Training Corps, and was much esteemed as a pharmacist and a citizen. He leaves a widow, a son, and a daughter.

HOLMES.—At 3 High Street, Clapham, London, S.W. 4, recently, Mr. Charles Newman Holmes, chemist and druggist (Ashford & Co.), aged sixty-four. Mr. Holmes passed the Qualifying examination in 1878 after studying at the Westminster College of Pharmacy. He was for a time in business at Lavender Hill, S.W., taking the Clapham business some ten years ago. Gifted with a genial nature, Mr. Holmes won the good will of all with whom he came into contact. He took a great interest in local affairs, and for three years was Vice-President of the Clapham Chamber of Commerce. He is survived by a widow and one son.

HOLMES.—At Longside, recently, Mr. John Holmes, drugstore proprietor, aged sixty-six. Mr. Holmes went to Longside thirty-seven years ago, and by his energy and enterprise built up an excellent business. Although of a retiring disposition, he was widely known and esteemed in Aberdeenshire. He is survived by a widow, two sons, and two daughters.

JESSOP.—At Elford, Olton, Birmingham, recently, Mr. John Arthur Jessop, chemist and druggist, aged sixty-eight. Mr. Jessop, who was a native of Uttoxeter, passed the Qualifying examination in 1871. He settled at Acocks Green in 1875, carrying on business there till his retirement in 1897. Mr. Jessop was fortunate both in business and in his transactions in property. For twenty years he was treasurer and a deacon of the Acocks Green Congregational Church. He is survived by a widow, two sons, and four daughters. The funeral took place on January 20.

MACCUAIG.—At Kimberley, South Africa, recently, of influenza, Mr. Archie MacCuaig. Mr. MacCuaig was in civil life a member of the staff of Hoynes, Mathew, Ltd., Kimberley. He was on holiday in England when war was declared, and immediately enlisted. After being wounded in the Gallipoli campaign he was in hospital in England for some time; eventually he was discharged from the Army as medically unfit, and returned home. A military funeral was accorded, among the wreaths being one from the staff of Heynes, Mathew, Ltd.

MICHIE.—At Whitburn, Linlithgowshire, recently, Mr. John Boyd Michie, L.R.C.P. Edin., L.R.C.S. Edin., chemist and druggist. Dr. Michie served his apprenticeship in pharmacy at Alva, of which place he was a native, and after further experience in Glasgow passed the Qualifying examination in 1901. He subsequently opened in business for himself, first in Paisley and then in Dennistoun. Both these ventures were successful, and eventually he put a younger brother (Mr. G. L. Michie, chemist and druggist) in charge of his pharmacy and took up the study of medicine, passing his examinations in 1911. The eldest of a family of ten, Dr. Michie owed his success mainly to his own determination.

SUTHERLAND.—At his residence, 2 Rosslea Drive, Giffnock, Glasgow, recently, Mr. James Durie Sutherland, chemist and druggist. Mr. Sutherland was born at Arbroath, and served his apprenticeship there, afterwards becoming assistant to Mr. James Farquhar, Perth. He qualified in 1905, and subsequently opened in business for himself at Giffnock, where he built up a large connection. He leaves a widow and two children.

Died on Service.

HAMILTON. — Private Walter Louis Grant Hamilton, R.A.M.C., chemist and druggist, died in Cairo, of dysentery, on November 28, 1918. Private Hamilton served his apprenticeship in pharmacy with Duncan, Flockhart & Co., Edinburgh, and qualified in 1911. At the outbreak of war he held an appointment in Cape Town; he relinquished it shortly afterwards and enlisted. He was a dispenser in military hospitals in England, Egypt, Palestine, and at Salonica.

PICK.—Lieutenant A. J. Pick, Durham Light Infantry (attached R.A.F.), was killed while flying at Eastchurch on December 2, 1918, aged twenty-three. Lieutenant Pick, who was the elder son of Mr. Alfred Pick, chemist and druggist, Bedlington, had been on service for upwards of three years in France, Egypt, and the Balkans.

DUTCH COLONIAL ENTERPRISE.—According to official information, the manufacture of pharmaceutical preparations in the Dutch East Indies greatly increased during the war. For instance, oil of *Chenopodium ambrosioides* has been distilled in considerable quantities. Ether, tannalbin, and several extracts have also been made, as have pertussin and other proprietaries.

Personalities.

MR. JAMES BUSBY, chemist and druggist, Harpenden, has been elected Vice-President of the Harpenden Traders' Association.

MR. S. G. HUTT (Coles & Hutt, Ltd., chemists, Weymouth), has been appointed to represent pharmacy on a Demobilisation Committee formed at Weymouth.

MR. JOHN WILLIAM ASPINALL, chemist and druggist, Preston New Road, Blackburn, is President-elect of the North-East Lancashire Chemists' Association for the second time.

COLONEL W. F. WYLEY, F.C.S. (Wyleys, Ltd., Coventry), has been appointed a representative of the new see of Coventry in the House of Laymen of the Province of Canterbury.

SERGEANT R. BULLIVANT, who has just been promoted to his present rank, is the son of Mr. Walter Bullivant, chemist and druggist, Boston (Lincs). He joined the Army on reaching military age last July.

AT THE HEAD of the First Class Honours list in the recently published result of the Oxford Junior Local examination appears the name of Kenneth Hughes, son of Mr. D. Hughes, Westbury-on-Trym (representing Burroughs Wellcome & Co.).

SIR RICHARD COOPER, BART., M.P., has been asked by the Walsall Trade Council to endeavour to secure a better supply of beer for the town and also to press for a modification of the present licensing restrictions. It is understood that he has given a favourable reply.

DR. FREDERICK G. COTTRELL, chief metallurgist of the United States Bureau of Mines, who discovered a new process for extracting helium from natural gas, has been awarded the Perkin Medal for distinguished services in applied chemistry by the American Chemical Society.

MR. H. M. LLOYD, chemist and druggist, Deputy-Mayor of Merthyr Tidfil, presided at a conference held at Merthyr Town Hall on January 21 under the auspices of the National Council for Combating Venereal Diseases. Mr. Lloyd is Chairman of the Merthyr Corporation Health Committee.

DR. F. B. POWER, retiring President of the Chemical Society of Washington, U.S.A., delivered on January 9 an illustrated address on "The Distribution and Character of Some of the Odorous Principles of Plants" before a joint meeting of the Washington Academy of Sciences and the Chemical Society.

MR. DAVID HILL, who was for some years previous to the outbreak of war one of the representatives of Parke, Davis & Co. in Egypt, Asia Minor, and the Balkans, has resumed work with his old firm. Mr. Hill suffered four months' illegal imprisonment without trial at the commencement of the war, and four years' internment in Ruhleben camp.

PROFESSOR LEON HERLANT, M. Ambroise Delacre, and M. Camille Honhon are at present in this country on behalf of the Comité National de Secours et d'Alimentation, and are purchasing large quantities of drugs and chemicals which are urgently needed in Belgium. A large sum of money has been placed at the disposition of the Comité National by the Belgian Government.

WE ARE GLAD to be able to state that Lance-Corporal J. R. Bentley (Leeds), whose name was included among those in the Pharmaceutical Roll of Honour (*C. & D.*, January 11, p. 47), was not killed, as officially reported. He was taken prisoner by the Germans on March 22, and was released on November 25 as a result of the armistice granted by the Allies to the Germans. Lance-Corporal Bentley is the son of Mr. J. R. Bentley, chemist, 85 Kirkgate, Leeds.

SIR ASTON WEBB, R.A., K.C.V.O., C.B., has been elected President of the Royal Academy. By electing Sir Aston the Royal Academy has broken away from all tradition, as it has been the unwritten rule that the holder of its chief office should be a painter. As an architect the fame of Sir Aston Webb is world-wide, but the Metropolis claims the largest number of important public works which have been entrusted to him. Sir Aston is a brother of Mr. E. Alfred Webb, deputy-chairman of Evans Sons Lescher & Webb, Ltd., and the artistic buildings in Bartholomew Close were designed by him.

AT the annual meeting of the Loyal Cambrian Lodge of Freemasons, No. 110, Mr. John Francis, pharmacist, 148 High Street, Merthyr Tydfil, was installed Worshipful Master. Mr. John Francis was born in Merthyr in 1870, and served his apprenticeship with the late Mr. Rees Thomas, High Street, and after a residence of several years in Aberdare returned to his native place, where he acquired his present business, which was founded in 1850. In 191 he rebuilt the premises. For about three years he wa Hon. Secretary of the Pharmaceutical Committee, of whic the present Mayor of the County Borough, Alderman R. P Rees, J.P., Dowlais, was President.

MR. GEORGE P. FORRESTER, who has recently returne home after four years as a civil prisoner in Ruhleben, ha joined the scientific and literary staff of Parke, Davis & Co. Mr. Forrester is well known in pharmaceutical circle all over the Continent, as well as in this country an America, on account of his having been Joint-Secretary wit the late Mr. Peter McEwan of the Commission Committe on Toxic Drugs appointed by the International Congress o Applied Chemistry held in London in 1909. Mr. Forreste studied at Heidelberg University, and for seven years pr vious to 1914 was in the scientific department of E. Merck Darmstadt. He is an expert linguist, speaking and writin with facility at least four, and reading other five, Europea languages.

LADY BOOT has been elected a director of Boots Cas Chemists (Eastern), Ltd., and this has reminded the "Star of a romance connected with the first meeting of Sir Jess Boot and his wife. That paper states: "Jesse Boot, the the overworked master of two small drug-shops in Nottin ham, met his wife in the Channel Islands while on a hol day. He had intended to retire and spend his mode fortune in wandering on foot through England with knapsack and a book; but this unexpected love affa caused him to renew his business activities with the idea o making a little more money first. However, his wife d veloped such an extraordinary business genius that th little drug-shops thenceforth commenced that marvello career of expansion which continues merrily to-day."

Trade Notes.

OVERSEAS BUYERS.—Ayrton, Saunders & Co., Ltd., Live pool, especially address their advertisement this week overseas buyers.

BRITISH CHEMICALS.—Pyrogallic and gallic acid are bein made in this country by Mr. J. L. Rose, Abbey Roa Barking, London, E., who invites inquiries from the whol sale trade and exporters.

WATER-GLASS.—Tomlinson & Hayward, Ltd., Lincoln, a offering water-glass for egg-preserving. The product supplied with chemist's name on the label, and suitab advertising matter is enclosed.

MR. H. M. ASHTON, dispensing chemist, 63 Sankey Stree Warrington, issues a neat wall-calendar (10½ in. by 5 in. with a character from "The Merchant of Venice" portray in the central space.

FREDERICK STEARNS & CO., manufacturing pharmacist Detroit, Mich., U.S.A., send out a "tear-off" wall-calend (14 in. by 11 in.), with some interesting notes on "Th House of Stearns" and its products.

POUDRE IMPERIA COMPACTE.—Will our readers please no that the prices of Poudre Imperia Compacte which a peared in the advertisement of the Empire Perfumery Co Oldbury, should have been given as 6s. and 7s. per dozen

FORMAMINT BOTTLES.—Genatosan, Ltd., manufacturin chemists, 12 Chenies Street, London, W.C. 1, would be gl if London chemists will collect from customers emp formamint bottles with caps. An allowance, in cash goods, is made to chemists for the trouble of collecting t bottles.

BOOT'S CHEMICALS.—Boots Pure Drug Co., Ltd., Nottin ham, has issued two booklets in which particulars a given of the fine chemicals, formerly made in German which are now being manufactured at the new laborato in Nottingham. One of the pamphlets is entitled "Ther peutics of the Times," and is to be issued from time to tin for the use of medical men.

Information Department.

INFORMATION WANTED.

24/47. "Cholyre"
24/49. Sun, bronze
26/17. Tetarelli
26/16. "Hexine" for colds
23/31. Guaiacum wood, direct importers
26/4. "Cluthie" truss (Bromfield, New Jersey)
25/5. "Ronak" or "Ronuk" bandages
29/5. Collin's rupture com pound
29/62. Collapsible tubes, imm diate supplies
30/61. Cachets azymes
29/44. "Phlorophican"
29/44. Bacillin or baccillin
28/14. "Helso"
32/57. "Oculent" for the eye

Observations and Reflections.

By Xrayser II.

The New By-Laws,

said Mr. Currie in his address to the Surrey Association, will have the effect of making the passing of the Preliminary before apprenticeship compulsory. To which of them did he refer? None of those that have as yet been made public so much as refers to the Preliminary, or even to apprenticeship (except the so-called apprenticeship to the Society). If, then, they have the effect of forbidding apprenticeship to a pharmacy before the Preliminary has been passed, it will be because something has been read into them by the Council which is not actually there—a monstrous thing to do, and one which, though no lawyer, I venture to say the Council cannot, in such a case, legally do. I am not now concerned with the advisability or otherwise of the change proposed, but simply denying the right and questioning the power of the Council to make it in this fashion. It is indeed inconceivable that Mr. Currie can have meant what he is reported to have said, especially since it followed an expression of regret that the old system of apprenticeship had been dropped. If that is so, it is nonsense to talk of making the passing of the Preliminary a condition of apprenticeship to a pharmacist; and if apprenticeship to the Society is all that was meant, there is no change in contemplation, for the passing of the Preliminary first has always been necessary to that.

Another of Mr. Currie's Statements

can only be met adequately by a flat denial. He said, after first admitting that territorial representation, "in the proper sense," is impossible without legislation, that already the Council "is as much territorially representative as if it had been constitutionally elected on that basis." This is obviously untrue. There is not a single member of the Council who represents any particular "territory," or can be approached as if he did; in fact, we have no "territories," and the word "territorial" is therefore mere meaningless. Moreover, in holding the opinion he does, Mr. Currie commits himself to the absurdity that territorial representation in an improper sense is equivalent to territorial representation in a proper sense, thus making "territorial" meaningless not only here, but always, and the thing it stands for of no virtue in itself. This is only what we might expect from one of the authors of the official scheme of "territorial representation," but it is an eloquent exposure of that *reductio ad absurdum*. Mr. Currie, as you say, does not "shine" as a dialectician, nor, I venture to add, as a practical statesman.

Organisation and Reorganisation

continue to be the subjects most frequently discussed at the meetings of local Associations, and we shall, apparently, soon have as many schemes as there are Associations. This is all very well as an amusement, but, except that it may prepare our minds for a change of some kind, it does not seem to lead to much. Many of the schemes proposed are confessedly impossible without legislation, and some are impossible in themselves. I am afraid that Mr. Bates's is at least doubtfully possible, for financial reasons. The proposed increase of the subscription to the Society to 25*s*. would hardly suffice to extricate us from our present financial difficulty, and would certainly not, in addition to doing this, pay the salaries of twenty-one local secretaries. Mr. Hines was well advised in limiting himself, in his address to the North Londoners, to a consideration of the "unity" question." This, as Mr. Jenkin said elsewhere, is the rock on which we split. I agree with Mr. Hines that it is an illusory difficulty, but human nature being what it is, it is none the less a difficulty on that account. Its real weakness ought nevertheless to be demonstrable if we face it squarely, and once it is fairly out of the way the chief obstacle to a working scheme will have been removed.

"Historicus"

makes as good a defence of the unqualified drug-vendor as can possibly be made, and with much of what he says I sincerely sympathise; but he does not prove either that, as regards the generality of the unqualified, there is any particular hardship in their case, or that this class of trader is, as he puts it, a "public necessity." What your correspondent says of the difficulties in the way of qualification applies with equal force to many of those who have surmounted them: they too had to deny themselves much, "to scorn delights and live laborious days"; they too had to struggle in the face of as great hardship and as bitter discouragement as those others, and many of them had no better "chance to qualify"; they too began, it is admitted, as porters and errand-boys. What then? They made their way up, despite of everything; they refused to be defeated, and they won through. Why they, and not the others? Because the latter were made of different—I will not say inferior—stuff; they had not the grit, the skill, the ambition, or whatever quality it was which went to the making of the successful men. As for the necessity of the unqualified man, that is ridiculous. He serves no function which the qualified is not able and willing to serve, or if not he, then some other tradesman even lower in the educational scale than the unqualified man. Eventually the creation of a class of statutory drug-vendors below the rank of pharmacists may become a matter of public policy, but one sees no evidence of its necessity in our time.

Anthemis

was not adopted as the official name of the chamomile until 1809, when *Anthemidis Flores* superseded the old *Chamæmelum*. The botanical name *Anthemis nobilis* (Linn.) had, however, been given in the P.L. of 1788. The adjective is due to Hieronymus Bock, better known by his assumed name of Tragus (1498); the name "Roman chamomile" was given to the plant by Camerarius, who found it growing profusely near Rome. Hanbury and Flückiger regard this variety as indigenous in England, but Lyte says that "None of the swcet Romaine Camomils groweth in this countrie, of their owne kindes (natures), but are planted in the gardens of some diligent herboristes, and are come hither as strangers"; and Gerard similarly tells us that "These plants are set in gardens, both for pleasure and also profit." There were, of course, wild chamomiles known to both these writers, but they distinguish between them and the Roman variety. Neither their descriptions nor their figures, however, agree with one another, and the whole history of the plant is so confused that identification is sometimes impossible. Down to 1788 both the herb and the flower were official. The old name Chamæmelum, from the Greek *Chamaimelon*, earth-apple, which was due to the supposed resemblance of the smell of the flowers to that of the apple, seems more distinctive than Anthemis, which would be equally appropriate to scores of other flowers.

Quinine,

or, rather, the want of it, may be said to be the protagonist of Mr. Conrad's latest story, "The Shadow Line," the scene of which lies mainly on board of a ship becalmed off the coast of Siam. The crew are, with one exception, down with malarial fever; and when the epidemic is at its height the captain finds, to his horror, that the supposed quinine in the medicine-chest is a worthless substitute fraudulently supplied (apparently with his connivance) to his predecessor in command. Mr. Conrad is unique among living novelists in the creation of atmosphere and what may be called psychological drama, and rarely has his subtle power been more strikingly shown than in the situation here depicted. For once he discards the oblique method by which in other stories his wonderful effects are most frequently attained; but though in this case the captain tells the story himself, it is in his own mind that we see it unfold: it is the effect of what happens upon his own personality that lends it its chief interest. But the other actors in the story are as vividly and convincingly alive as if they had an independent existence.

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"Sanitas Sypol" (Improved Lysol).
"Sanitas Sulphur Candles."
"Sanitas Formic Sulphugators."
"Sanitas Formigators."
"Sanitas Drain Testers."
"Sanitas Polishes."
(Kingzett's Patent)
"Sanitas Distemper." for walls.
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Editorial Articles.

Army Dispensers.

THE Army Council have at last issued an Instruction dealing with the employment in the Army of registered and unregistered dispensers. We print the document in full in another part of this issue. We recall the circumstances which have led to the issue of the Instruction. After the South African war it was suggested that the Pharmaceutical Society should make some efforts to improve the position of pharmacists in the Army. It has been notorious that the Royal Army Medical Corps has been content to employ men in the capacity of dispensers whose knowledge of pharmacy and dispensing was of the most trivial character. Why the Army should be content with such a low standard of qualification for its dispensers has puzzled many people and has incidentally helped to give the impression that dispensing is a work which can be entrusted to anyone. The reason for this disregard by the Army of the claims of pharmacy is because until the present war the main duties of Army dispensers consisted in handing out ready-prepared pills and pharmaceutical preparations. The half-hearted efforts of the Pharmaceutical Society after the South African War led to no result. When the present war broke out it was hoped that the authorities would take a different view of the important duties of Army dispensers, especially in view of the changes which had come about in Army dispensing. The employment on a large scale of medical men used to the conditions of ordinary practice altered completely the methods of prescribing. It is dreadful to think of what

ie results must have been of the employment of Army ompounders in the altered conditions brought about by he present war. To say that the Pharmaceutical Society ook any energetic steps to obtain a recognition of the osition of pharmacists in the Army would be an exaggera-on. The matter was brought up in a casual way soon fter the war broke out. To show the attitude of the ouncil it is only necessary to quote from the report of the arliamentary and General Purposes Committee to the ouncil meeting of June 7, 1916, as follows :

It was agreed that the subject of the position of harmacists in the Army and Navy *has already been dealt ith as fully as present circumstances permit*, but the resident and Secretary were directed to take such easures in future as may be necessary.

Nothing, however, was done, but when Mr. Frank G. ines, York, was elected to the Council in 1917 he raised e question at the July Council meeting. Some letters om chemists came before the Council complaining of the osition of pharmacists in the Royal Army Medical Corps. r. Hines urged that these justified the matter being ken up again—he had the previous evening tried un-ccessfully to get the General Purposes Committee to take the subject. The attitude of the Council was still compromising. Mr. Edmund White, who was President the time, administered the following snub to Mr. Hines e quote from the *C. & D.*, July 7, 1917, p. 45) :

The President said that the subject might have been w to Mr. Hines, but it certainly was not new to the uncil, and no new channels had as yet been pointed out them.

was, however, decided to send a deputation to the rector-General of the Army Medical Council, and to the rprise of the deputation they were sympathetically eived. The result was the appointment of a small partmental committee, to whom evidence was submitted m the Pharmaceutical Society. Mr. Herbert Skinner plied the committee with suggestions regarding the ties which pharmacists could perform in military hos-als, and showed that the present system is as wasteful he nation as it is unfair to wounded soldiers. It was this *sier* which convinced the Army authorities. We em-sise the names of Mr. Hines and Mr. Skinner in this nection, as to them is due the alteration in the view Army dispensers which the Army Council have now ognised. The pertinacity of Mr. Hines and the tech-al suggestions of Mr. Skinner have caused a successful e. As to the new Army Council Instruction which we t elsewhere, we can only remark that, like the curate's , it is "good in parts." Commissioned rank is not nted to pharmacists; the highest rank that a "superin-ding pharmacist" may attain is that of a staff-sergeant. do not think that this will attract the best class of rmacists, because when the military conscription Acts e been repealed the status of army pharmacists will be slightly improved from what it is at present. The In-ction recognises three classes—(1) superintending phar-ists, (2) pharmacists, and (3) dispensers. The last-ed includes Apothecaries' Hall assistants, Irish nists and druggists, and Irish druggists. It is the first e that the last two classes have been officially recognised dispensers of medicines, but it may be conceded , although they have not been examined in dis-sing, they are entitled to rank with apothecaries' stants. The inclusion of Irish chemists and druggists little insight into the lack of knowledge which Govern-t officials have of pharmacy law. The class of ons registered in Ireland as chemists and druggists have been in business in 1875—forty-four years ago d assuming that they were twenty-one years of age he time they must now be nearing seventy. This is ing allowance for the raising of the military age with ngeance. Clause 9 of the Instruction is a curiosity; it es provision for cases in which a pharmacist is found e "quite unfit to be employed in the dispensing of cines." Considering that to be a pharmacist he must passed a severe test in dispensing this is equivalent rtifying that the man is a lunatic. Clause 18 makes ision in the event of there not being sufficient macists available in the Force for the duties of pharmacists. This, we think, is necessary in view of the unattractive nature of the terms of the employment of pharmacists in the Army, especially when compulsory military service is no longer part of the law of this country.

Restocking Belgian Pharmacies.

We refer in another column to the presence in this country of a delegation from the Comité National who are purchasing drugs and chemicals in this country for Belgium. Already before the soil of Belgium was completely freed of the presence of the enemy, the Belgian Minister of the Interior at Hâvre had placed an order for a number of pharmaceutical products, intended to replenish the pharmacies of the country. These are expected shortly from Paris, where they are apparently being collected prior to dispatch. The task of replenishing the depleted stocks of the pharmacies is proving a serious problem to the Belgian Government, the representative association of the profession "Nationale Pharmaceutique," and to the pharmacists themselves. Anybody wishing to import goods into Belgium had to obtain from the Government an import licence, and it was decided that the professional or trade representations or associations should act as arbiters in establishing individual requirements prior to the issue of an import licence. The "Nationale Pharmaceutique" was empowered to present requests for import licences, and in collaboration with the Ministry of Economic Affairs elaborated a series of measures designed to secure the immediate introduction of pharmaceutical products urgently required, and of which there were no stocks at all in the country. At this juncture the Government decided that pharmaceutical products were to be regarded as articles of prime necessity, and would be introduced by the Government itself, who would ration them to the wholesalers, while the "Nationale Pharmaceutique" would in turn fix the amounts and control the supplies issued to the single pharmacies by the wholesalers, the latter acting according to the directions issued by the association. The last-named drew up a list of 141 articles which should be immediately imported, giving in each case the total quantity required for one month for all the pharmacies in the kingdom. These quantities are not without interest, as they reflect the civilian requirements of a country which had seven and a-half million inhabitants. We note that they enumerate fifty-six chemicals, sixty-two various leaves, barks, roots, five essential oils, five galenical preparations, and three serums. We append a few of the preparations listed, with the quantity, in kilos., required to satisfy the needs of all the Belgian pharmacies for one month :

Acetic acid	250 kg.	Kola	200 kg.
Acetyl-*p*-amidosalol	5 ,,	Lactic acid	250 ,,
Aloes	150 ,,	Lanolin	700 ,,
Alum	1,5 0 ,,	Lecithin	1 ,,
Asafetida pulv. ...	100 ,,	Malaga wine	14,000 ,,
Benzoin	150 ,,	Menthol	15 ,,
Borax	250 ,,	Novocaine	1 ,,
Boric acid, powdered	750 ,,	Ol. cadinum... ...	350 ,,
Cacao butter ...	200 ,,	Ol. limonis	5 ,,
Calc. glycerophosph.	350 ,,	Ol. menth. pip. Mitcham	10 ,,
Calc. hypophosph....	250 ,,	Ol. morrhuæ ...	3,000 ,,
Camphor	500 ,,	Ol. rosæ	1 ,,
Camphor-monobrom.	3 ,,	Ol. terebinth. rect...	500 ,,
Carbolic acid, cryst.	250 ,,	Opium pulv. ...	35 ,,
Carrageen	350 ,,	Pancreatin	70 ,,
Cascara sagrada ...	75 ,,	Paraffin liq.... ...	350 ,,
Chloral hydrate ...	150 ,,	Pepsin	350 ,,
Chloroform	500 ,,	Peru balsam ...	25 ,,
Cinchonæ cort. ...	350 ,,	Pot. sulphoguaiacol	140 ,,
Cinnamomi cortex	300 ,,	Quinin. sulph. ...	280 ,,
Citric acid	150 ,,	Rhei pulv.	700 ,,
Colloidal silver ...	2 ,,	Saffron	30 ,,
Digitoxine cryst. ...	0.14 grm.	Senegæ rad.... ...	200 ,,
Eucalyptol	100 kg.	Sennæ fol. ...	1,000 ,,
Extr. hydrast. Can.	100 ,,	Sennæ fol. pulv. ...	500 ,,
Extr. nuc. vom. sicc.	15 ,,	Sennæ fruct. ...	1,000 ,,
Extr. opii sicc. ...	70 ,,	Silver proteinate ...	14 ,,
Hæmaglobin ...	100 ,,	Stovaine	15 ,,
Hydrargyr. oxid. flav.	50 ,,	Tannic acid	350 ,,
,, ,, rub.	25 ,,	Theobromine ...	35 ,,
Hydrastis Canad. rhiz.	100 ,,	Uvæ ursi fol. ...	250 ,,
Ipecac. rad. pulv. ...	250 ,,	Vaseline	1,400 ,,

Scarcely had these arrangements been made when the head of the Government, on returning from his recent visit to London, stated that the system of import licences is to be abolished immediately, and unrestricted trading permitted, with the result that even the "Nationale Pharmaceutique" is not quite sure what the position really is, and comments on the existing "derangement of organisation" in the hasty reconstitution of social life in Belgium.

Drug-auction Terms.

THE alterations in the terms and conditions of the sale of drugs by public auction inaugurated last week are chiefly noticeable for the fact that the discount of 2½ per cent. has been abolished. We gather that the alterations have been made by the drug brokers at the request of the wholesale druggists, and many of those outside that body are not at all satisfied at not being consulted in the matter, and some had not even heard of the new terms until published in the drug catalogues last week. Considering that many dealers look upon the discount as their source of profit their objection can easily be imagined. Moreover, the brokers, whose buying and selling percentage is calculated on the gross amount realised, lose their brokerage on the 2½ per cent. discount, and where the turnover is large, say in the case of honey or other high-priced articles, this must be a consideration. There has, of course, been no readjustment of prices to meet the abolition of the discount—*e.g.*, the price of calumba-root in auction last week was 300*s.* per cwt., but with the loss of discount the price should be 292*s.* 6*d.* net, which it is not. It is readily understood that the new terms apply to the public drug auctions only, and that private business goes on daily, on "usual terms," *i.e.*, 2½ per cent. discount, fourteen days prompt, but it will be well to emphasise these terms for a time as confusion may arise, as a reseller of drugs purchased in public sale may argue that as he received no discount he cannot give any. As a matter of fact it looks as if the discount on all private business will have to be a matter of arrangement at the time the transaction is entered into. It therefore behoves everybody to be very exact on this point, as the acceptance or refusal of an order may turn on the discount. It is anticipated that the spice auctions, which included honey, kola, and tamarinds last week, will fall into line with the new terms. The chemical and drug trades have during the war shown a tendency to quote net prices, and it is to be commended, as in the aggregate much clerical labour is saved; but there are a few items, like quinine, citric and tartaric acids, cream of tartar, sandalwood, clove oil and other essential oils, to which a discount clings. Why not abolish the discount here also? Among the list of drugs agreed upon which are always to be sold on "reweights," we notice all essential oils in tins, except peppermint oil, presumably because it is sold in tins and cases of exact weight. But why should not, say, sassafras, West Indian lime, or orange oils be included? The "reweight" business is evidently going to be a source of extra revenue to the Port of London Authority and the wharves, this all adding to the increased cost of the goods, and as "such reweights are to last nine months," it may mean goods being weighed twice in a week.

Pharmaceutical Roll of Honour.

THE lists of (1) chemists, (2) chemists' sons, assistants, and apprentices, and (3) wholesale drug and chemical employés, which have been published in the last three issues of THE CHEMIST AND DRUGGIST, show that at least 826 persons connected with the drug-trade have laid down their lives in the Great War. It is a fearful price to pay for the defeat of barbarism, and it shows that the drug-trade has supplied its full share of manhood in the great conflict. Since the lists were published we have received additional names, and it is possible that the number of the killed amounts to at least a thousand. This forms a rough basis for estimating the number of fighters supplied by the trade as ten thousand. The respective percentages of those engaged in the Royal Army Medical Corps comes out in the three groups as (1) 18.26, (2) 5.57, and (3) 3.25, or, putting it in anot way, fifty-five out of the 826 were in the R.A.M.C. corps for which one would suppose chemists and th assistants are especially fitted. It has been sugges that the Roll of Honour should be published in pampl form. We shall consider this suggestion, and in meantime should be glad if our readers will supply names that are missing, so that when the conclusion the war is reached we can print the full list as a rec of the war sacrifices made by the drug-trade.

The New By-Laws.

WE have received letters expressing great dissatisfac with the proposed new by-laws. The chief complain that the already much inflated examination fees sh be further raised to twelve guineas. Having been fo by public opinion to divide the Qualifying examinat it is as though the Pharmaceutical Council were resol to make the helpless candidates pay through the n "We unqualified have had no voice in the matter," wr one student. That is a distinct injustice, but the co tution of the Pharmaceutical Society does not pro that undergraduates shall have any voice in the cou of the Society except in so far that students have time to appeal to the Privy Council. Letters shoul addressed to the Clerk of the Council, Privy Co Office, Whitehall, London, S.W. From what we k of the inner history of the by-laws, however, we ca hold out much hope that such appeals will meet any measure of success. It will be observed tha consequence of the suggested raising of the fee for Qualifying examination that for the admission of Col pharmacists has been increased to fourteen gui There cannot have been time to hear the views of Col pharmacists on this matter, but they are able to attention through the Colonial Office if they object t increase.

War-time Episodes

In Sketch and Sonnet.

II.

AT THE WINDOW.

Where are the garish lights of Yesterday,
That flashed their lambent flame on Crystal Cr
That lit the spark of avaricious gleam
In orbs of maidens passing on their way
And made them linger, look, and longer stay
To gaze upon the beauteous things that teem
With odour and with healing; things that se
A certain antidote to Time's decay.

The Glycerin Balm to soothe the roughened ha
The gay *toiletterie* for young and old,
The finest Milk Emulsion in the land,
The One and Only Remedy for cold.
Gone, gone, alas! how sad the tale as told
Of aching void, of 'flu, of empty stand.

Pharmaceutical Society of Ireland.

Council-meeting.

A MEETING of the Council of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on January 14, Mr. J. E. Connor, J.P., Vice-President, in the chair. The following members of Council were also present: Dr. A. J. Barnes, Dr. J. A. Walsh, Messrs. G. D. Beggs, J.P. (Hon. Treasurer), D. M. Watson, Victor E. Hanna, Thomas N. Moffitt, Wm. J. Hardy, A. Owen Wells, and G. A. McLean Lee.

The CHAIRMAN explained that the President (Mr. James Michie) was laid up with a slight cold, but expected to be up in a few days. The REGISTRAR (Mr. A. T. Ferrall) said Mr. Richard Blair had written asking him to apologise for his non-attendance.

NO CALENDAR FOR 1919.

Mr. MOFFITT asked why the members of the Society were not to have copies of the Calendar this year?

Mr. WATSON explained that owing to the increased cost it had been decided not to have copies of the Calendar printed this year. A similar course had been adopted in England. They were doing all that the statute required them to do—that was, issuing registers to all who were entitled to get them.

The REGISTRAR said that copies of the registers were passing through the press at present. They were bound under the Amendment Act to supply over 700 copies to the Royal Irish Constabulary, for which they got no grant from the Government.

The CHAIRMAN said the production of these registers would cost even more than the Calendars cost before the war.

The REGISTRAR read a circular letter, copies of which it was proposed to send to the members of the Society. It stated:

"Owing to the greatly increased cost of production the Council has decided not to publish a Calendar for 1919. The Editor of THE CHEMIST AND DRUGGIST has kindly placed at the disposal of the Council a supply of pamphlets setting forth the various laws relating to the sale of poisons, etc., written up to date. I have pleasure in sending you a copy, which, I hope, you will find useful for reference. P.S.—Copies of the registers are being printed for supply to the proper authorities."

Mr. HARDY suggested that copies of the register should be sent to the members of the Society. He wanted them particularly for the newly elected members all over Ireland.

Mr. WATSON thought they ought not to spend 25*l.* for that purpose.

THE LATE SIR WM. J. BAXTER.

The REGISTRAR submitted a certificate of the death of Sir William James Baxter, D.L., M.P.S.I., an ex-President of the Society.

The CHAIRMAN proposed a vote of condolence with the relatives of Sir William Baxter in the loss they had sustained by his death. Sir William Baxter was a man who was respected by everyone who had the pleasure of his acquaintance; his death would be a decided loss not only to his relatives, but to pharmacy throughout the country.

The vote of condolence was passed in silence, the members standing.

PHARMACISTS IN THE ARMY.

The REGISTRAR (Mr. A. T. Ferrall) submitted a communication from the Ministry of Labour, transmitting copy of the minutes of a preliminary meeting of the Pharmacists' Demobilisation Committee.

The REGISTRAR also submitted a communication from the Ministry of Labour (Appointments Department) inviting the nomination of representatives of the Society on District Selective Committees in Ireland in connection with plans for the resettlement of officers of H.M. Forces. The communication stated that:

"In order so far as possible to ensure the supply of men of higher general, scientific, professional, and business attainments, whom the nation needs for every profession and industry, the Government have decided, in suitable cases, to provide financial assistance for ex-Service men who desire to take up education and training of an approved nature with a view to their resettlement in civil life, but who cannot afford to meet the expenses involved."

Mr. Glyn-Jones, M.P., in a letter also read by the Registrar, stated that there are two districts for Ireland as follows: No. 11—Dublin, and all Ireland except counties comprised in 11B; and No. 11B—Belfast, Antrim, Armagh, Down, Tyrone, Cavan, Londonderry, Fermanagh, Monaghan, and Donegal.

On the motion of Mr. WATSON, seconded by Dr. BARNES, the President, Mr. Michie (for the South) and the Vice-President, Mr. Connor (for the North), were nominated as representatives of the Society on District Selective Committees in Ireland.

The REGISTRAR read a letter from Lieut.-Col. F. R. M. Crozier, Dublin, District Director, Ministry of Labour Appointments Department, who stated:

"You may perhaps be aware that in connection with the Appointments Department, Ministry of Labour, a scheme is in operation whereby training facilities are obtained for officers, ex-officers, and men of like standing. These training facilities are provided with the object of helping three classes, namely: (1) Those who wish to begin training for a certain career; (2) those who, having had their training for a career interrupted by war service, wish to continue that training to obtain necessary qualification; (3) those who, being qualified, require 'refresher' courses."

By these means it is hoped that the resumption of civil life will be made easier and of benefit to the community. As the Pharmaceutical Society is in the position of an educational body, I shall be obliged if you will let me have information on the following points:

(1) Will the Society arrange for suitable courses, stating (*a*) centre at which course can be attended (this may be a pharmaceutical chemist); (*b*) duration of course; (*c*) date at which course begins; (*d*) fees for course; (*e*) maximum number of students that can be taken?

(2) Will the Society grant concessions in consideration of war service, and, if so, of what nature will they be as regards (*a*) Preliminary examination or its equivalent; (*b*) period of apprenticeship (statutory declaration, etc.); (*c*) period of engagement required for candidates for Licence; (*d*) Addendum to Regulations, page 8; (*e*) general conditions required by the Society to be satisfied by students before obtaining the Licence? I shall be glad to arrange an interview, if desired, at any time convenient to you.

Mr. HANNA referred to what had been done by the Government in the case of one apprentice. He had served a portion of his time with his father, and on the latter's death he carried on the business for a short time under a qualified man. Then he joined the Army, and after a time obtained a commission. He had now been discharged and had been placed with a chemist in order to complete his apprenticeship. The Government would allow him his full Army pay until such time as present regulations are altered, the chemist undertaking to make up any deficiency that may arise under new conditions.

Mr. WATSON suggested that they should see Colonel Crozier on the subject of his letter.

Mr. HANNA referred to communications he had received in reference to two apprentices. The employer of one of them stated that he had served twelve months to the business and had been four years in the Army, and the employer suggested that he should receive an assistant's qualification.

Mr. BEGGS: We could not do it.

Mr. HANNA said the other communication was from a lad who had also spent twelve months in business and four years in the Army, and had acted as interpreter in two languages.

Mr. HARDY said a man who had served his King and country for four years should be helped in every possible way.

Mr. A. OWEN WELLS: He should be allowed two years.

Colonel Crozier's letter was referred to the Law Committee.

DEATHS.

Mr. M. J. Bunyan, Ph.C., wrote notifying the death of Mr. Jeremiah O'Connor, Ph.C., Castleisland, co. Kerry. The Registrar produced a certificate of the death of Mr. Morgan McSweeney, Ph.C., Dublin, and also notified the deaths of Mr. Wm. John Pedlow, Ph.C., Belfast; Mr. James Edward Savage, Ph.C., Castlewellan, co. Down; and Mr. Wm. Greenfield, R.D., Dublin.

CHANGES OF ADDRESS.

The following wrote notifying changes in their addresses:

Mr. David O'Sullivan, Ph.C., from 34 Tyrconnell Road to 16 Tyrconnell Road, Inchicore, Dublin; Mr. J. M. Wadsworth, Ph.C., from 42 Dublin Street, Carlow, to The Medical Hall, Enniskillen; Mr. Henry Robert Warren, Ph.C., from Streatham to 28 Plumstead Common Road, Plumstead, London, S.E.; and Mr. T. Wrixon, Ph.C., from 80 Patrick Street, Cork, to 37 Bank Place, Mellow, co. Cork.

PRELIMINARY REGISTRATION.

The following submitted certificates from other bodies, and were admitted to Preliminary registration:

Mr. Francis Joseph Brennan, 3 Rhodoville, Lower Mount Pleasant Avenue, Rathmines, Dublin; Mr. T. H. O'Reilly Carney, The Medical Hall, Maynooth; Mr. P. M. Joyce, Cloughanageesagh, co. Mayo; Mr. Charles A. Quinn, 112 Jocelyn Avenue, Belfast; Mr. James Robinson, 14 Rossmore Avenue, Ormeau Road, Belfast; and Mr. M. S. J. Rogers, 129 Riga Street, Belfast.

ELECTED AS MEMBERS.

The following were elected as members:

Mr. P. J. Barry, Ph.C., Dillon's Pharmacy, Longhrea, co. Galway; Mr. W. J. Bateman, Ph.C., Shannon Vale, Clonalkilty, co. Cork; Mr. M. J. Butler, Ph.C., Abbey Street, Wicklow; Mr. Patrick Kilran, Ph.C., Fermanagh Street, Clones; Miss Mary D. Oliphant, Ph.C., 20 Drumcondra Road, Dublin; Mr. M. J. White, Ph.C., 58 Haddington Road, Dublin; Mr. Wm. H. Madden, Ph.C., Prospect House, North Road, Bloomfield, Belfast; and Mr. W. J. Rankin, jun., Ph.C., 2 Woodland Avenue, Belfast.

NOMINATIONS.

Mr. J. Dargan, Ph.C., Dargan's Pharmacy, Main Street, Cashel; Mr. P. Kearney, Ph.C., The Medical Hall, Cappoquin; Mr. E. Kelly, Ph.C., 499 Tyrone Crescent, Falls Road, Belfast; Mr. P. Brooke-Kelly, Ph.C., on active service in Germany; Mr. J. V. McKeever, Ph.C., Plasnewydd, Killmey, co. Dublin; Mr. John O'Connor, Ph.C., Main Street, Cahirciveen; and Mr. James Rowland Guiler, Ph.C., 84 West Street, Drogheda.

Liquid Air and the War.

AT the Royal Institution, Albemarle Street, Piccadilly, London, W., on January 17, Sir James Dewar gave a discourse on the use of liquid air during the war. The Duke of Northumberland was in the chair. Sir James began by reminding the members that at the outbreak of the war the professors, staff, and resources of the Institution were placed at the disposal of the Government so far as these could help in the prosecution of the war. The lecturer then referred to his address before the British Association in 1902, in which he dealt with the growth of chemical science in England and Germany, showing that this country was at a disadvantage in regard to equipment and staff engaged in chemistry. Germany thus obtained practically a monopoly in manufacturing chemicals, and was placed in a position to exact huge profits from the world. Sir James pointed out, however, that the fundamental discoveries in chemistry were made in this country, and our inability to profit by them is due to our want of education. After this introduction the lecturer rapidly sketched the history of the production of liquid air, and he showed some of the physical properties of liquid air. Then the practical effects that have resulted from low-temperature research were mentioned. The liquefaction of oxygen, by cold and pressure, in the laboratory of the Royal Institution, was followed by the introduction of commercial methods of producing liquid atmospheric air, from which by fractional distillation oxygen was obtained. For a time oxygen alone was in industrial demand, and there was no use for the huge quantities of nitrogen obtained simultaneously with it from liquid air. Processes for the fixation of nitrogen and the production of fertilisers and nitric acid were next developed. The German dye-makers exploited electrical methods of fixation and spent some three millions sterling in acquiring water-power in Sweden for the production of the necessary cheap energy. About the year 1910 the German professor Haber visited the Royal Institution with other Germans in order to study the best mode of establishing similar institutions in Germany, where it was then felt that the chemists were too intimately connected with the Rhine manufacturers, and that it was desirable to have scientific men free to work independently of academic control, as was the case at the Royal Institution. The result was the establishment of five or six Kaiser Wilhelm institutes on the model of the Royal Institution. It was what Haber saw on his visit to the Institution that gave him the idea of trying to combine hydrogen and nitrogen directly by a process that would be commercially possible. This is a problem which many had tried unsuccessfully to solve. It was found, however, that when a mixture of hydrogen and nitrogen is passed over a catalytic agent (osmium was used at first, and finally finely divided iron) at a high pressure and at a temperature rather below red heat, the issuing stream contains from 6 to 8 per cent. of ammonia, which can be obtained in constant supply by absorption in water or by freezing at low temperature. The nitrogen required was available in abundance, and pure hydrogen which was needed in large quantities for Zeppelins and other purposes was obtained by freeing water-gas from impurities by the aid of low temperature. The oxidation of this ammonia yields nitric acid, indispensable for the manufacture of modern high explosives, and thus the Haber process was the antecedent factor that enabled Germany to maintain her supplies of explosives in the war, even though she was deprived of supplies of Chile nitrate, from which nitric acid is ordinarily made. The importance attached by Germany to this process is indicated by the fact that it was made a State monopoly. In Germany one plant alone is making 100 tons of liquid air a day. How many plants there were in Germany he could not say, but 100 tons per day represented very much the production in this country. Of this quantity about 53 per cent. is used in cutting armoured plates, a work which continued throughout the war. Lantern-slides were then shown of liquid air factories and of the uses to which liquid oxygen is put.

The second main application of liquid air or oxygen mentioned by Sir James Dewar is for supplying the oxygen needed by airmen at high altitudes. Apparatus of this kind was found in German aeroplanes brought down when raiding London, and it has the advantage over the method of carrying the necessary oxygen compressed in steel cylinders that it is very much lighter. The liquid air is stored in vacuum vessels, and, volatilised under the influx of heat, is conveyed in tubes to mouthpieces from which it is breathed by the airmen. Sir James Dewar showed three methods by which the influx of heat, and with it the amount of air given off, can be regulated. In the first electrical heating is employed, and in the second a rod of copper or aluminium, gradually screwed down into the vessel, conducts energy into the liquid and volatilises it. In the third the liquid air is simply syphoned out through a stop-cock into an evaporating chamber, which receives its heat from the outer air, and is then warmed up to air-temperature by being passed through a series of coils before it reaches the mouths of the airmen. By adjusting the stop-cock the amount of air delivered can be readily regulated. The apparatus (in the form of a copper flask) was shown on the lecture-table. It is adjusted to supply from two to five litres of air per minute. For holding liquid air glass vacuum vessels can be employed, but metal vacuum vessels have the advantage that they cannot be broken and can be made of much larger size. The larger the size the less the daily loss. The high vacuum needed is assured by placing charcoal on the wall of the inner or containing vessel, where it is kept cool by the liquid air, and vessels so constructed will stand a good deal of leakage without deterioration. In 1914 the Germans were offering such metallic vacuum vessels up to capacities of 30 gallons, and there is one of these vessels in a mining station in the North of England that has been working without deterioration ever since that date. It will be remembered that the invention of the vacuum vessel and the discovery of the extremely high gas-absorptive power possessed by cooled charcoal are both due to Sir James Dewar. At the conclusion of his address Sir James said that the Royal Institution always had been and must be, if it is to maintain its foundation, an individualistic institution. But the whole expenditure of the Royal Institution did not amount during a century to more than 1,200*l.* per annum. As everything, apparently, is in future to be State endowed, he was getting afraid that there would be no individualistic institution left in this country. When he first became associated with the institution the endowments did not exceed 12,000*l.* No contributions were made during the whole lives of Davy and Faraday, but the endowments had now been increased to 71,000*l.*, thanks to the incomparable cleverness of Sir James Crichton-Browne in securing some of the largest benefactions. (Cheers.) Sir James Dewar said he hoped something would be done to stimulate the individuality of the institution by increasing the endowment. During the war the membership had diminished by 50 per cent. He appealed for an increase of members of the old type—"persons who did not bow the knee to Baal."

VINEGAR added to glue increases its tenacity.

DEVON COUNTY COUNCIL is to carry out experiments in exterminating rats with poison.

THE London Pharmaceutical Association consider that 7*s.* 6*d.* plus cost of carriage is a fair price for 20 feet of oxygen.

"IN MEDIO TUTISSIMUS"?—"Yes," said the pharmacist, "I want a bright boy—to be partly indoors and partly outdoors." "That's all right for you," replied the applicant, "but what about me when the door slams?"

JOSEPH TUKAY, of Brooklyn, who sold compressed talcum-powder for aspirin tablets (*C. & D.*, January 18, p. 43), has been sentenced to three years in a penitentiary and fined $500. The analysis reported that the tablets contained 23 per cent. talcum-powder, lime, and magnesia, 30 per cent. salicylic acid, and 47 per cent. of starch and sugar.

Martyred Belgian Pharmacists.

IN the CHEMIST AND DRUGGIST, August 7, 1915 (Index Folio 214), we referred editorially to the martyrdom of Belgian pharmacists, and gave a list of Belgian pharmacists who had been killed or made prisoners, or whose pharmacies had been destroyed or pillaged by the Germans in their relentless march through that unhappy country. It will be remembered that the enemy pharmaceutical papers qualified as "nursery tales" these reports of outrages in Belgium, or if unable to deny that defenceless civilians had been killed, attempted to justify such murders by slandering their victims. With Louvain, the name of Dinant will evoke the memory of German brutality, and the accounts given by the widows of two pharmacists of Dinant, published in the "Journal de Pharmacie de Belgique" (January 12, 1919) of the manner in which their husbands were butchered before their eyes cannot be read without emotion. Let the reader judge.

It was August 23, 1914, that witnessed the martyrdom of Dinant. Before the masses of German soldiers breaking open the doors of houses with axes or with the butt-end of their rifles the panic-stricken inhabitants fled, seeking shelter as best they could. M. Fernand Panier, with his family, sought refuge in a cellar, soon filled by thirty panic-stricken persons. At 3 P.M. the door of their subterranean retreat was broken in by German soldiers, who, revolver in hand, forced them to leave and cross the road where fighting was still continuing. Under a hail of bullets they were made to proceed to a stable, already crowded to overflowing, the entrance to which was guarded by a sentry. Here they could see the German troops passing in an uninterrupted column. "Many of the passing soldiers entered the stable, levelled their rifles at us, insulted us with indescribably savage cries; their guttural, strident yells had something diabolical, really infernal in them. I shall always be hearing those cries." In the midst of this pandemonium a stretcher was brought along by soldiers bearing a high officer severely wounded. When passing in front of the stable he raised himself on the stretcher, and with his eyes bulging from their sockets, his lips covered with foam, and horribly contracted features, he addressed infuriated threats to the persons huddled in the stable. Following an order he gave, the soldiers fired point-blank at those standing in the entrance. "I cannot describe this heartrending and tragic scene. Children crying, women praying and imploring, while the men, silent, resigned, fastened on us their sad gaze, knowing full well what fate awaited them." At 5 P.M. the doors of the stable were closed, and a soldier came to a side window crying: "Get out by the window if you want to escape death." In front the houses were already in flames. A rush was made for the door, which was broken down, but flight was impossible. Soldiers were outside, who made them form a line to be led to their doom. They had to pass through the rows of burning houses of their beloved Dinant, streets filled with suffocating smoke, over the bodies of their fellow-citizens; while in front and behind furious demons were insulting, beating them with rifles or bayonets, an imploring mass of helpless humanity with uplifted arms. Who did not hold them up or did not hold them high enough up was struck with bayonets.

At last they reached the spot selected for the grim deed to follow. First they were searched, then the men were separated from the women and children. M. Panier had not left his wife for a moment throughout, and carried in his arms their youngest son, then aged three years and three months. The child held its little hands on high asking that they should not harm its father; whilst the eldest, nearly five years old, who held Madame Panier's hand, was crying and imploring the executioners to have mercy. Brutally the men were pushed towards the fatal wall; the husband held out to his wife the child still clinging desperately to its father's arms; he wished to hand to her at the same time some souvenirs of her he was wearing, but a soldier threw him towards the wall. The women begged to be allowed to die with their husbands, fathers, or brothers. Indescribable moments passed of anxiety and emotion. Suddenly a whistle sounded, and a platoon of soldiers advanced singing and laughing, throwing insults at the women. A guttural order, then a volley, and three yards from them they saw the bodies lying of their beloved ones, heard their death agony. The soldiers pushed the women and children back with a loathsome leer; then brutally with the butt-end of their rifles they cleared them away, enjoining them to return to their homes—homes which had been burnt down. The whole night Madame Panier with her two children wandered through the burning streets. Each time she or another of her comrades in despair attempted to approach the spot where the men's bodies lay they were pushed away, threatened—or worse still was their fate. The following three days they were kept in prison, tortured by grief, hunger, and thirst, to be followed by weeks of wandering in search of a haven of rest.

Madame Paquet, widow of M. Louis Paquet, states that in the evening of August 21, 1914, the Germans arrived in the Rue Saint-Jacques throwing incendiary bombs. M. Paquet was chased out of his pharmacy and took refuge in a house opposite, which collapsed under the shell-fire. However, all in it were able to extricate themselves from the débris. In the meantime the German soldiers had smashed the door and front of the pharmacy with axes; this orgy of destruction lasted half an hour. The next day, the pharmacy being uninhabitable, they sought refuge with M. Paquet's parents. At 8 A.M. on August 23 the Germans reached their door and accused the inmates of the house of having fired upon them. In vain M. Paquet protested; they were made to proceed to the Rue Saint-Roch, where they were separated. He was placed in a stable already filled by other victims, while his wife had to enter an adjoining house, and was thus deprived of the consolation of being with him in this hour of agony. The men were made to endure unspeakable tortures. Straw was prepared, and they were told they would be burnt alive. Machine-guns were placed in front of them; boys were torn from the arms of their fathers and shot down before their eyes. At 6 P.M. Madame Paquet was able to join her husband, but only for a few minutes. He took up his little boy and they reached the Place d'Albeau; here he was dragged from his wife's arms, and with more than 160 men was ranged against the wall, all to be shot at point blank. "These executioners did not even allow us the supreme consolation of one last look at our dear ones, or permit us to bury them. We had to abandon them, not without being brutally treated in a most horrible manner."

With one sole exception all the pharmacies of Dinant were burnt down. The one left standing, after being pillaged and indeed half consumed by fire, was that of M. Emile Ferage, 5 Rue Grande. This fact was utilised by the German Press to cast doubt on the statements regarding the events which happened in Dinant, as published in the British and neutral pharmaceutical journals. It so happened that the pharmacy of Madame veuve Ferage, 38 Rue Grande, was burnt down. The "happy" coincidence that the name of the owner of the one pharmacy left standing should also be Ferage was of incalculable value to the "reptilian Press" in the preparation of its indignant repudiations of any doubts cast on the methods of Kultur, with its ever-ready "We deny," or "It is not true," but the naked recitals of actual facts by the widows of the victims tell a tale of guilt that sounds through the world louder than the stolen bells, as they will find an echo in every heart throughout the really civilised world.

Wills.

MR. FREDERICK SIMCO, chemist and druggist, 36 Cambridge Street, Wellingborough, who died on November 28, left estate valued at 4,805*l.* 13*s.* 6*d.* gross, with net personalty 982*l.* 11*s.*

MR. JAMES CHAPMAN RITSON, West Elrington, Haydon Bridge, retired chemist, who died on October 3, left estate of the gross value of 15,944*l.* 13*s.*, with net personalty 2,059*l.* 6*s.* 8*d.*

MR. WILLIAM CARR HEBDEN, manufacturing chemist, Albany House, Winding Road, Halifax, who died recently, left estate valued at 8,379*l.* 8*s.* 2*d.* gross, with net personalty 4,457*l.* 4*s.* 1*d.*

MR. GEORGE WOKES, 93A Coltman Street, Kingston-on-Hull, auctioneer, formerly in business as a chemist, who died on July 9, aged eighty-eight years, left estate of the gross value of 11,194*l.* 12*s.* 6*d.*

MR. WILLIAM FREER, Athole, Albany Park, Kingston-on-Thames, late of Messrs. Freers, disinfectant manufacturers, etc., Leadenhall Street, London, E.C., who died on June 12, left estate valued at 6,920*l.* 7*s.*

MR. ROBERT BRUDENELL CARTER, ophthalmic surgeon, 76 South Side, Clapham Common, London, S.W., who died on October 24, left estate valued at 1,744*l.* 9*s.* 1*d.* gross, with net personalty 1,664*l.* 14*s.* 4*d.*

MAJOR GEORGE BERNARD JOHNSON, D.S.O., R.F.A., Stanhope House, Woolton, Liverpool, wholesale druggist, partner of J. H. & S. Johnson, who was killed in France last April, died intestate. He left property of the gross value of 3,137*l.* 10*s.* 2*d.*

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Trade Report.

42 Cannon Street, E.C. 4, January 23, 3 p.m.

THERE has been a slight improvement in business this week, as, stocktaking being finished, inquiries have become more frequent, but they are mostly for small quantities. The one disconcerting feature has been further evidence of very cheap offers on the part of certain dealers who have been keenly cutting prices, more severely than seems necessary. At the present time sales can only be made with difficulty, and there is a tendency among dealers not to miss orders. This all helps to keep markets in a fluid conditiou and makes for unstable and irregular prices. This keen competition has applied to aspirin, bromides, salicylates, acetanilide, benzoates, chloral hydrate, etc., and, in fact, practically the whole group of pharmaceutical chemicals show signs of ease. Export business is showing signs of becoming brisker again, but there are still complaints of licences being cut down as regards quantities. Sweden has been in the market for some time past as a large buyer of chemicals and drugs, but we understand that the bulk of the business has been placed in the United States, where unusual facilities have been granted for effecting shipment. Among the changes in values is an advance in pure and methylated chloroform. Formaldehyde is again higher in the U.S.A. Otherwise it will be seen from the table below that values again assist the buyer.

Higher	Firmer	Easier	Lower
Chloroform, B.P. pure and meth.	Saffron	Almond oil	Anise oil, star
Formaldehyde (U.S.)		Barbitone	Arrowroot
		Camphor (Jap. slabs)	Aspirin
		Clove oil	Cassia lignea
		Eucalyptus oil	Chloral hydrate
		Hydroquinone	Cloves
		Mint oil (Jap.)	Copper sulphate
		Phenolphthalein	Cream of tartar
		Pimento	Dill-seed
		Senega	Farina
		Tartaric acid	Fenugreek-seed
			Ginger
			Molasses
			Pepper, white
			Resorcin
			Saccharin
			Vanillin
			Wax (Jap. vegt.)
			Wood oil (Chin.)

Cablegram.

NEW YORK, January 22.—Business is fair. The salicylates are lower, salicylic acid having been reduced to 60c., sodium salicylate to 65c., methyl salicylate to 65c., and salol to $1.10. Acetanilide is also lower at 52c. per lb. Peppermint oil in tins has advanced to $5.10, sweet oil of birch to $5.50, and serpentary-root to 65c. per lb.

ACETANILIDE.—Some weak holders are making frantic efforts to clear their stocks, and as the demand is extremely quiet, from 4*s.* to 3*s.* 9*d.* will buy.

ACETATE OF LIME has been reduced to 2c. per lb. in the U.S., which is abnormally low. This price is, of course, beneficial to American consumers only, as no export business can be done at present.

AGAR-AGAR is quiet, with sellers of No. 1 Japanese strip at 3*s.* per lb. on the spot. The exports from Japan during October 1918 amounted to 69,955 kin, valued at 99,499 yen. During the ten months ended October 31 they were as follows:

	1916	1917	1918
Kin	2,608,252	1,902,490	2,526,043
Yen	2,282,535	1,763,450	2,827,858

The destinations were as follows:

To	1916 Kin	1917 Kin	1918 Kin
China	445,957	679,557	177,020
Hong-Kong ...	328,814	264,708	114,828
Straits Settlements	119,399	107,765	65,911
Dutch Indies ...	387,740	222,330	260,801
Asiatic Russia ...	151,896	877	436
Great Britain ...	292,916	110,848	1,576,188
France	269,289	93,259	20,120
United States ...	420,826	249,618	122,286
Other countries ...	193,415	173,528	188,453
	2,608,252	1,902,490	2,526,043

ACETIC ACID.—A considerable amount of business has been done for January-February shipment, and most consumers have covered their requirements for these months; 80-per-cent. pure is quoted at from 115*l.* to 120*l.* per ton, and glacial at from 130*l.* to 135*l.* in barrels. There is little doing for late delivery, as buyers are expecting cheaper rates as the year advances. The high freights help to maintain prices, while freight space is extremely limited and quickly appropriated.

ALMOND OIL is slightly easier than when we last quoted, sweet B.P. offering in 1-cwt. lots at 3*s.* 11*d.* and smaller quantities at 4*s.*

AMIDOPYRIN is about steady at from 67*s.* 6*d.* to 70*s.*

ANISE is quoted 80*s.* per cwt. for Russian and 100*s.* for Spanish without any business.

ANISE OIL, STAR, is lower, with spot sellers of "Red Ship" brand at 5*s.* 6*d.* and 5*s.* c.i.f.

ANTIMONY.—The working off of the home Government stocks looks like proving a slow process, and further concessions in this direction from the current rate of 55*l.* for English regulus are to be expected. Foreign parcels are obtainable at below 48*l.* Chinese crude is rather scarce, with sellers, however, ready enough to accept 45*l.* on the spot. It is hardly likely that licences to import will be obtainable more easily for some time.

ARROWROOT.—At auction 15 barrels fair manufacturing St. Vincent sold at 10*d.* per lb., being lower.

ARSENIC.—Somewhat fancy prices are still asked for small lots, but the market is very dull, and the quotation for good-sized parcels is no better than 80*l.* per ton delivered London for best Cornish powder. Indications continue to favour buyers, and a lower range of values is generally looked for, although this depends to some extent on the surplus quantities to come on the market. As compared with pre-war times a good many dealers and brokers are identified with the handling of home and foreign material.

ASPIRIN.—Consignments from America have arrived freely and the price has weakened, spot supplies being obtainable at from 14*s.* 6*d.* to 14*s.*, and to come forward there are offers to sell at 12*s.* per lb.

BARBITONE has eased down to 80*s.* per lb. in quantity.

BISMUTH SALICYLATE.—Very fair quantities have lately been sold for export at from 16*s.* to 17*s.* per lb.

BROMIDES.—At the recent lower range of prices applying to American makes a heavy loss is shown to holders. The opinion is expressed, however, that American prices have reached the bottom, and with a revival in the demand, which must set in presently, a sharp recovery is looked for. Potash is 5*s.* to 5*s.* 6*d.*, soda 4*s.* to 4*s.* 6*d.*, and ammon. 4*s.* 6*d.* to 4*s.* 9*d.* per lb.

CAMPHOR (REFINED) is easier, with sellers of Japanese refined 2½-lb. slabs at 6*s.* 4½*d.* per lb. on the spot; ¼-oz. tablets are 7*s.* 9*d.* The exports from Japan during October 1918 amounted to 32,254 kin, valued at 61,781 yen. During the ten months ended October 31 the shipments were as follows:

	1916	1917	1918
Kin	4,494,950	2,777,854	1,526,227
Yen	4,467,612	4,759,103	3,145,336

The destinations were as follows:

To	1916 Kin	1917 Kin	1918 Kin
British India ...	1,208,043	910,951	333,569
Asiatic Russia ...	446,904	65,283	186
Great Britain ...	626,586	88,812	354,876
France	319,382	66,618	58,025
United States ...	1,685,477	1,441,984	500,447
Australia	92,597	77,999	94,720
Other countries ...	115,961	126,217	184,404
	4,494,950	2,777,854	1,526,227

CANARY-SEED is steady owing to small stocks, and quotations are unaltered at 290*s.* per quarter for Morocco and 300*s.* for Spanish.

CAPSICUMS.—At auction 156 packages Nyasaland were bought in at from 47*s.* 6*d.* to 55*s.* for fair medium picked to dark red.

CARAWAY-SEED.—There is a small quantity of natural Tunis to be had at 220*s.* to 230*s.* per cwt.

CASCARA SAGRADA.—Spot sellers quote 160*s.*, and for a parcel lying in Liverpool 155*s.* per cwt. is quoted.

CASSIA LIGNEA is about 5*s.* cheaper, whole selected offering at 100*s.* and broken at 100*s.*

CHILLIES.—Slow in auction; 95 bags Nyasaland were bought in, comprising fair at 60*s.* to 65*s.*, ordinary 45*s.*, and on stalk 40*s.* to 45*s.*; 635 bags Japanese were bought in at 60*s.* to 62*s.* for medium to good bold reddish.

CHLORAL HYDRATE is rather cheaper, duty-paid crystals offering from dealers' hands at 11*s.* to 10*s.* 6*d.* per lb.

CHLOROFORM.—Makers have advanced the price of pure B.P. by 4*d.* per lb. to 4*s.* 7*d.* in ½-ton lots, 4*s.* 8*d.* in 2½-cwt. lots, and 4*s.* 9*d.* in 56-lb. lots. Methylated chloroform is also 3*d.* up, that made from acetone being unchanged.

CITRIC ACID.—There are some weak holders who are cutting the price to 4*s.* 6*d.*, less 5 per cent., owing to the slackening of trade. Others quote 4*s.* 7*d.* to 4*s.* 7½*d.*

CLOVE OIL has sellers at 14*s.* per lb.

CLOVES are 4*d.* per lb. lower, with spot sellers of fair Zanzibar at 1*s.* 2*d.* per lb.

COLOCYNTH.—Spot sales of pulped have been made at 2*s.* 6*d.* per lb.

COPPER SULPHATE.—The tendency is somewhat easier, with a fair number of export inquiries, and 58*l.* per ton; less 5 per cent. f.o.b. Liverpool, seems a minimum quotation. Export business will doubtless be given further stimulus provided the necessary licences are granted.

CORIANDER-SEED is quite neglected, the nominal quotation being 28*s.* to 32*s.* 6*d.* per cwt. for ordinary to good Morocco.

CREAM OF TARTAR is dull of sale at from 365*s.* to 375*s.* per cwt. on the spot.

CUMIN-SEED is offering at 52*s.* 6*d.* per cwt. for good Morocco without business resulting.

DILL-SEED.—With holders anxious to sell, without any response, the market for this article must be quoted lower, but in the absence of business it is impossible to give a price.

EUCALYPTUS OIL is easier, B.P. oils offering at from 3*s.* 6*d.* to 3*s.* 9*d.* per lb. on the spot.

FARINA is from 7*s.* to 8*s.* per cwt. lower, No. 1 Japanese offering at 47*s.* to 48*s.* per cwt. on the spot, and January-March at 46*s.* c.i.f.

FENNEL-SEED is quoted 50*s.* per cwt.

FENUGREEK-SEED.—A fair business has been done at 19*s.* per cwt., being lower.

FORMALDEHYDE is again dearer in the United States, and the maximum price of 150*l.* per ton on the spot is practically on a level with that asked on the other side.

GINGER is quite neglected, and in the absence of business prices are difficult to quote; washed Cochin is nominally 100*s.*

GLUCOSE.—Liquid for January-February shipment is quoted at 47*s.* per cwt. c.i.f.

HEXAMINE remains unchanged at 5*s.* 6*d.* per lb. on the spot, but the price in the United States is now above this parity.

HYDROQUINONE can be bought at 14*s.* per lb., which indicates an easier feeling.

INSECT-FLOWERS.—Japanese closed offer on the spot at 180*s.* per cwt.

ISINGLASS.—At the first auction of the year 1,174 packages offered, of which rather over 300 sold at very irregular prices. Brazilian and West Indian descriptions were steady, but other descriptions were easier.

LAVENDER OIL.—Sales of finest French have been made at 29*s.* per lb. on the spot, with some asking 31*s.*

LEAD PRODUCTS.—The decline of 5*l.* per ton in the price of prompt pig lead, of which the Government hold abnormally heavy stocks, may be regarded as an indication of a reduction in the near future in the quotations of manufactured products, although it is suggested that American competition in regard to compounds is not likely to prove very keen in the export markets.

LEMONGRASS OIL.—The spot value is 6¼*d.* per oz.

LIQUORICE-JUICE.—Finest Sicilian block liquorice is offered on the spot at 320*s.* to 325*s.*, and sticks at 495*s.* per cwt. ex wharf.

MENTHOL is quiet, with spot sellers of Kobayashi-Suzuki at 20*s.* per lb.

MINT OIL.—Japanese dementholised is easier, with spot sellers of Kobayashi-Suzuki at 5*s.* 4½*d.* per lb.

NEROLI OIL.—Finest French has been sold at 26*s.* to 26*s.* 6*d.* per oz.

PEPPER.—Quiet, with sellers of fair black Singapore at 1*s.* 1*d.*, Tellicherry at 1*s.*, and Aleppy at 1*s.* *White* is 1*d.* to 2*d.* lower at 1*s.* 6*d.* to 1*s.* 7*d.* for Muntok, and Singapore is 1*s.* 6*d.*

PHENACETIN is obtainable on the spot at 15*s.* per lb., with several odd parcels offering here and there at slightly below this figure.

PHENAZONE is still worth 57*s.* 6*d.* per lb. on the spot. There are some large inquiries on the market for exportation. Supplies, however, are coming forward very slowly from Switzerland.

PHENOLPHTHALEIN is easier owing to arrivals, American offering at 30*s.* per lb. on the spot.

PIMENTO is dull, with sellers at 4½*d.* per lb. on spot.

POTASH IODIDE.—The exports from Japan during October 1918 amounted to 15,118 kin, valued at 97,847 yen. During the ten months ended October 31 the shipments were as follows:

	1916	1917	1918
Kin	140,985	124,445	151,403
Yen	1,022,536	761,961	936,349

Of *crude iodine*, 1,907 kin, valued at 13,834 yen, were exported during October, and the exports for the ten months ended October 31 were:

	1916	1917	1918
Kin	1,701	28,348	52,943
Yen	10,562	197,293	334,520

QUININE is unchanged at the fixed prices of from 2*s.* 11*d.* to 3*s.* per oz. for sulphate; hydrochloride is 4*s.* The home trade demand is quiet, but export is brisker.

RESORCIN is lower, with sellers at 34*s.* per lb. on the spot.

SACCHARIN.—The weakness in this market continues, and sellers are still asking for reasonable bids. Nearest values are from 170*s.* to 180*s.* per lb., duty paid. New York continues to send offers to this side at $5 per lb. See also p. 35.

SAFFRON is firmer at from 46*s.* to 47*s.* per lb. net for finest Valencia on the spot.

SALICYLATES.—Owing to the slump in carbolic acid the market for salicylic acid is very weak, spot supplies of B.P. powder being obtainable at 3*s.* 6*d.* Soda salicylate remains steady at 5*s.* to 5*s.* 3*d.* for B.P. and U.S.P. qualities.

SALOL is very quiet at 7*s.* 6*d.* per lb.

SENEGA is easier, with spot sellers at 6*s.* to 6*s.* 3*d.* net.

SHELLAC continues quiet, with spot sellers of usual standard TN quality at 280*s.*; AC Garnet is 280*s.* to 290*s.*, as to quality, and fine Orange 340*s.* to 350*s.* per cwt.

SPERMACETI.—American refined is offered at from 1*s.* 2*d.* to 1*s.* 3*d.* per lb., as to quantity.

SYRUP.—All restrictions limiting the importation and sale of syrup, molasses, and other articles of like nature and use will be removed on and after Monday, February 24. The prices at present in force will remain as maximum prices. It is hoped that an increase in supplies will make it possible for the Royal Commission on the Sugar Supply and others to sell at a lower figure.

TARTARIC ACID is dull of sale and easier at 3*s.* 8*d.* to 3*s.* 8½*d.*

THYMOL.—A fair amount of Indian is available on the spot, and can be had at 47*s.* 6*d.*

VANILLIN has sellers at from 54*s.* to 58*s.* per lb. on the spot.

WAX, VEGETABLE.—Japanese is flat, with spot sellers of fair at 90*s.* per cwt. The exports from Japan during October 1918 amounted to 476,738 kin, valued at 216,420 yen. During the ten months ended October 31 they were as follows:

	1916	1917	1918
Kin	5,018,016	3,484,762	7,592,553
Yen	1,382,851	1,062,559	2,572,814

WOOD OIL.—Chinese is lower, with sellers at 135*s.* per cwt. on the spot.

Relaxatioa of Export and Import Prohibitions.

Headings Transferred from One List to Another.

From "A" to "C" lists: Gum arabic; gum tragacanth; platinum, alloys of platinum and manufactures containing platinum; titanium, titanium alloys and titanium ores; tungsten alloys; tungsten (except tungsten filaments for electric lamps); manganese, peroxide of, and mixtures and preparations thereof; platinum, salts of; soda crystals; zirconium compounds. From "B" to "C": Gums containing caoutchouc; nickel, its ores and alloys; resinous substances containing caoutchouc; selenium; thorium and its alloys; tungsten ores (including ferberite), hubnerite, scheelite, and wolframite; chromium acetate; chromium chlorate; chromium nitrate; hydrogen peroxide.

Headings Altered.

Delete.	*Substitute.*
(A) Ammonia and its salts, whether simple or compound, and mixtures containing such salts.	(A) Ammonia, sulphate of, and mixtures containing sulphate of ammonia. (C) Ammonia and its salts not otherwise prohibited.
(B) Chromium, compounds of (except chromium acetate, chromium chlorate, and chromium nitrate), and mixtures containing such compounds of chromium.	(B) Bichromate of soda. (C) Chromium compounds and mixtures containing such compounds, not otherwise prohibited.
(A) Gall nuts and extracts thereof.	(B) Gall nuts. (C) Extracts of gall nuts.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at various British ports:

To London

(Jan. 7 to 13).

Alcohol (W.I.), 234 puns.
Almonds (Sp.), 1,563 bgs. 2,342 cs.
Antim. reg. (Jp.), 500 cs.
Casein (India), 763 bgs.
Chemical products, etc., unrated: (N.Y.) 52 pkgs. (R'dam.) 16 cs. (Fr.) 28 cs.
Aloin (N.Y.), 15 pkgs.
Arsenic (Jp.), 40 cs.
Bromides: potash (Jp.), 20 cs.
Chloral hydrate (N.Y.), 12 cs.
Cream of tartar (Sp.), 12 brls. (Fr.), 80 cks.
Creosote carb. (Fr.), 3 cbys.
Oxalic acid, 40 cks. 60 kgs.
Potash carb. (Calcutta), 100 cs.
Tannin (Fr.), 10 cks.
Drugs, etc., unrated: (Fr.), 10 cs. medicines (Boston), 5,460 bxs.
Balsam tolu (N.Y.), 50 brls.
Calumba (B'bay), 200 bgs.
Camphor (Jp.), 64 cs.
Cardamoms (Madras), 20 cs.
Cassia bark (Jp.), 12 cs. 7 bls.
Cassia - powder (B'bay), 234 bgs.
Galls (Ch.), 92 cs.
Insect-flowers (Jp.), 10 cs. 8 bls.
Kola (W.I.), 16 bgs.
Menthol, 63 cs.
Nux vomica, 199 bgs.
Opium (India), 200 chts.
Turmeric, 240 bgs.
Valerian (Amst.), 14 cs.
Vanilla (Fr.), 9 cs.
Dyes, dyeing and tanning materials:
Aniline colours (Fr.), 37 cks. 15 cs.; divi divi (Trin.), 7,207 bgs. indigo (E.I.), 25 cs.; logwood (St. Lucia), abt. 300 tons; myrobalans, crushed, 4,000 pockets.
Grape-juice, (Fr.), 36 cs.
Gums and resins: copal (S'pore), 1,484 bkts: shellac, 511 bgs.
Honey (Jp.), 12 brls.; (Dem.), 5 cs.; (Trin.), 200 cks.; (St. V.), 12 cs. (St. Lucia), 181 cs. 6 cks.
Lime-juice (Dem.), 6 hds.; (Trin.), 21 puns. 16 hds. 1 ppe.: *conc.* (St. Lucia), 205 cks.
Molasses, 377 puns. 80 hds. 516 brls. 1,055 cks. and trcs.
Magnesite calc. (Madras), 1,406 bgs.
Oils, essential, unrated: (Fr.), 12 cks. 7 tins; cedar-wood (N.Y.), 15 cs.; lavender (Fr.), 19 drms.: lime oil (W.I.), 2 cs.; (St. Lucia), 64 cs. 7 bxs. 11 cbys.; mint (Jp.), 111 cs.; peppermint (N.Y.), 8 cs.
Oils fixed: coconut oil (S'pore), 7,430 brls.; cotton-seed, 3,985 brls.; fish (Jp.), 100 cs.: mustard, 2 cs.: olive (Fr.), 263 cs. 11 cks.: turpentine (Fr.), 800 cks.; wood (Ch.), 956 cks.
Perfumery (Fr.), 26 cs.
Seeds, etc.: copra, 12 bgs.; coriander (Fr.), 521 sks.: cotton (Alex.), 5,379 tons, 11,751 bgs.; dill (B'bay), 890 bgs.; ground nuts, 721 bgs.; kurdu (B'bay), 1,400 bgs.; lin. (India), 50,194 bgs.; millet, 1,200 bgs.; palm kernels, 22,762 bgs. 2,110 tons.
Spices: arrowroot (St. V.), 2,717 brls.; mace (Penang), 60 cs. (W.I.), 3 cs. 1 bx.; nutmegs (Penang), 70 cs. (St. V.), 4 brls.: pepper, blk. (Penang), 1,299 bgs. (Cal.), 51 bgs. (B'bay), 1,094 bgs.
Starches (bags), 553; dextrin (Jp.), 100 bgs.; farina, 4,595 bgs.
Wax, bees' (W.I.), 1 cs.; (St. Lucia), 1 cs.; (Cal.), 34 bdls. 3 cs.
Wax, paraffin, scale, 2,699 brls.
Wax, vegetable (Jp.), 420 cs.

To Liverpool

(Jan. 7 to 11).

Almonds, 82 bgs. 199 sks.
Babassu kernels, 5,026 bgs.
Chemical products, etc., unrated:
Acids (N.Y.), 41 brls. 4 kgs.
Acetanilide (N.Y.), 21 brls.
Aspirin (N.Y.), 9 brls. 16 kgs. 65 cs.
Benzoic acid (N.Y.), 11 kgs. 18 brls.
Benzoate soda (N.Y), 9 brls. 17 by ½ brls.
Bromides: potash (N.Y.), 105 cs.
Chloral hyd. (N.Y.), 1 cs. 1 kg.
Coumarin (N.Y.), 14 cs.
Lithia carb. (N.Y.), 20 cs.
Methyl sal. (N.Y.), 45 cs.
Saccharin (N.Y.), 5 cs.
Tannic acid (N.Y.), 40 brls.
Tannin pharm (N.Y.), 20 cs.
Vermilion, (N.Y.), 9 cs.
Chewing-gum, 1,227 cs. 100 pkgs.
Drugs, etc., unrated: (N.Y.), 84 pkgs.; liniment (N.Y.), 884 cs.
Balsams (Maranham), 124 pkgs.
Cascara sag. (N.Y.), 443 bgs.
Cinchona, 215 bls.
Culvers-root (N.Y.), 155 bgs.
Peppermint oil (N.Y.), 17 cs.
Podophyllum - root (N.Y.), 25 bgs.
Quillaia, 239 bls.
Glucose, 1,199 brls.
Honey (Chile), 61 brls.
Isinglass (N.Y.), 44 bls. (Brazil), 37 pkgs. 163 bgs.
Petrolatum, 365 brls.
Roots, not described (Parnahyba), 1,797 bgs.
Spices: pepper, wh. (N.Y.), 1,231 bgs.
Starches: 600 bgs.; farina, 21,503 bgs.
Wax, Carnauba (Parnahyba), 250 bgs.
Wax, not described (N.Y.), 484 bgs. 666 brls.
Wax, paraffin, 7,007 brls. 570 bgs.; scale, 2,869 brls.

To Folkestone

(Jan. 6 to 11).

Perfumery (Fr.), 86 pkgs.; drugs, 13 pkgs.

To Southampton

Almond oil (Fr.), 10 cs.; chemicals (Fr.), 8 cs.; gelatine (Fr.), 20 cs.; perfumery (Fr.), 31 cs.; tartar (Fr.), 290 bgs.; toilet water (Fr.), 138 pkgs.

To Hull

(Dec. 31 to Jan. 7).

Cotton-seed, 5,950 tons, 680 bgs.: ground nuts, 12,909 bgs.; linseed (Calcutta), 87,663 bgs.; palm kernels, 2,166 tons, 9,559 bgs.; palm oil, 155 cks.; sumac gr. 350 bgs.

To Manchester

(Dec. 27 to Jan. 10).

Almonds (Sic.), 550 bgs.; calcium cit. 181 cks.; calcium tartrate (Sp.), 75 cks.; coconut oil, 277 pps. 71 puns. 32 hds.; cutch, 390 bxs.; essential oils (Sic.), 28 cs.; liquorice-juice (Sic.), 65 cs.; liquorice root (Sic.), 29 bls.; pumice stone (Sic.), 422 bgs.; soap stone, 100 bgs. soda phosphate, 153 brls.; turmeric, 60 bgs.

To Glasgow

(Dec. 27 to Jan. 3).

Alcohol (B'more), 131 drms.; almonds, 13 bgs.; turpentine (Fr.), 550 cks.

To Greenock.

Cotton-seed (Alex.), 4,500 tons.

MANITOBAN HONEY.—Figures recently published by the Department of Agriculture show that Manitoba is winning rapidly the reputation of being a large honey producing province. The bee-keeping industry during the last two or three years has made enormous strides. The production of honey in 1918 aggregated in round figures one million lb.

Chemical Society.

THE meeting of the Chemical Society, held at Burlington House, Piccadilly, London, W., on January 16, was an informal one. Sir William Pope, the President, was in the chair, and some new Fellows were admitted. Afterwards those present studied the exhibits of British-made chemicals that had been arranged for the evening. Johnson, Matthey & Co., Ltd., had a fine show of rare metals, but the largest exhibit was that of The British Drug Houses, Ltd., which consisted of examples of British-made chemicals such as were formerly made exclusively or were mainly obtained from Germany. The following is a list of this fine exhibit:

ANALYTICAL REAGENTS ("A.R.").

Acid, chromic
,, iodic
,, oxalic
Ammonium chloride
,, oxalate
,, sulphate
,, thiocyanate
Amyl alcohol
,, nitrite
Barium carbonate
,, chloride
,, hydroxide
,, nitrate
Cadmium sulphate
Calcium carbonate
,, chloride
Copper sulphate
Ferrous sulphate
Lead acetate
Magnesium chloride
Manganese sulphate
Mercuric chloride
Potassium bisulphate
,, chlorate
,, chloride
,, chromate
Potassium dichromate
,, ferricyanide
,, ferrocyanide
,, nitrate
,, oxalate
,, thiocyanate
Sodium bisulphate
,, carbonate
,, nitrite
,, phosphate
,, thiosulphate
Stannous chloride
Uranium acetate

"STANDARD" CHEMICALS (for Standardisation).

Antimony potassium tartrate
Barium thiosulphate
Ferrous ammonium sulphate
Potassium dichromate
Potassium hydrogen phthalate
,, ,, tartrate
,, dihydrogen phosphate
Sodium chloride
Sodium oxalate

INDICATORS.

Azolitmin
Phenacetolin
Methyl red
Iodo-eosin
Lacmoid
Dimethyl-amido-azobenzene

MICROSCOPIC AND DYES.

Azur II
Azur II eosin
Dichloro-fluorescein
Di-iodo-fluorescein
Di-bromo-di-iodo-fluorescein
Dichloro-di bromo-fluorescein
Dichloro-di-iodo-fluorescein
Eosin, yellow shade
Erythrosin (Tri-iodo-fluorescein)
,, (Tetra-iodo-fluorescein)
Fluorescein
Fluorescein sodium
Eosin methylene blue
Giemsa's stain
Jenner's strain
Methylene, azure
,, blue polychrome
,, violet
Tetra-chloro-fluorescein
Tri-bromo-fluorescein
Tri-chloro-fluorescein
Di-bromo-fluorescein

ORGANIC.

Acetophenone
Acid. camphoric
,, sulphanilic
Acetanilin
Anisole
Acid, hippuric
Ammon. hippurate
Barbitone sodium
Benzanilide
Bornyl valerate
Bromobenzene
Bromonaphtbalene
Calcium hippurate
Cedarwood oil
Cineol
Dextrose
Di-iodo-caffeine hydriodide
Di-phenyl thiourea (Thiocarbanilide)
Glycine
Hydroxylamine hydrochloride
Lithium hippurate
Menthyl
,, valerate
Methylene di-tannin
Nitroso betanaphthol
Pyrogallyl monoacetate
Pyrogallyl triacetate
Phenazone salicylate
Quassin amorphous
,, crystalline
Quinin. hippurate
Resorcinyl acetate
Soluble starch
Sodium hippurate
Thiosinamin
Thiourea
Thymol iodide
Tribromophenol
Intramine (di-ortho-amino-thio-benzene)

INORGANIC
And Salts of Organic Acids.

Ammonium thiosulphate
Acid, chromic, B.P.
,, ,, technical
Barium sulphate, X-ray
Bismuth iodogallate (oxy)
,, betanaphtholate
,, phenate
,, tribromophenate
,, subgallate
Calcium acetyl salicylate
,, lactate
,, saccharate
Cobalt carbonate
,, chloride
Devarda's alloy
Ferrioxalate (ous)
Ferrichloride (pure anhydrous)
Zinc gran. (arsenic free)
Lead peroxide
Lithium acetyl salicylate
,, formate
Magnesium peroxide
Manganese dioxide
Phosphorus oxychloride
,, pentachloride
Potassium carbonate
,, citrate
Sodium acetate, fused
,, citrate
,, formate
,, phosphate
,, phosphate acid
,, ,, tribasic
Sulphuryl chloride
Rose's metal
Wood's metal

Mr. R. G. Durrant also gave a short lecture on the uses of crystal violet as an indicator.

NITROGEN PLANT IN U.S.A.—There has been erected at the United States Department of Agriculture experiment farm at Arlington, Va., the largest experimental plant in the United States for the production of nitrogen from air. The nitrogen so produced is combined with hydrogen to form ammonia, which can be used in the manufacture of fertilisers. The Haber process of manufacturing nitrogen is being employed.

Correspondence

Norwegian Cod-liver Oil.

SIR,—The letter from "A Bergen Exporter," published
n your issue of January 11 (p. 55), contains some
accuracies, which, in our opinion, require correction, and
may therefore be of interest to briefly outline what has
ctually taken place in the cod-liver oil market during the
ar. It is common knowledge that in the autumn of
914 Germany, being short of fats, purchased very large
uantities of oils from Norway, and in 1915 the Nor-
egians anticipated brisker markets and higher prices.
uch was the demand for oils that in that year some
orwegian firms actually purchased fish oils of British
anufacture, there being at that time no prohibition in this
ountry against the exportation of fish oils into Norway. It
satisfactory to know that some firms refused to sell their
ls to Norway, even although they were offered very much
gher prices for British oils than those obtainable in
reat Britain. The business was declined on the suspicion
hich substantially proved correct) that such oils were
stined for Germany. At the end of 1915 the British
overnment made very extensive purchases from the Nor-
egians to prevent the oil going into Germany. The
orwegians, unfortunately, took advantage of the heavy
mand and high prices, and frequently delivered oil of a
ry inferior quality. We refer to all classes of oils, such
shark, seal, cod, whale, cod-liver, etc. Unfortunately
e Norwegians knew that if the British Government did
t accept delivery of the very indifferent oils the Germans
uld. All the oils were supposed to be of good merchant-
le quality, but many of them were very far from being
, as the importers quickly found out to their cost. Con-
ary to what your correspondent says, it is a well-known
ct that many firms in Norway have made large fortunes
m fish oils, and several names could be mentioned. One
ge dealer who died recently was a millionaire. Unfor-
nately, British money has passed into the Norwegians'
nds, and now the bulk of them are very wealthy. From
at we can gather they are determined to capture the trade
cod-liver oil. The fishermen are well provided with gear,
they have ample means to purchase the various necessi-
s regardless of price. Your correspondent states that
bmarines did not interfere with the cod-fishers. We are
formed on the best authority that submarines interfered
th the fishermen who were fishing with British gear.
certain amount of oil and fish was sold to Germany,
d naturally some Norwegian boats were not molested
the submarines. With regard to his further remarks
at the fishing is not likely to be good, we would say that
dications point in an opposite direction. High prices
e ruling for oil, and this is a great inducement for fisher-
en to get supplies of gear, etc., at almost any figure, so
to enable them to participate in the high prices which
il be paid for the raw material. This being so, a
eater number of boats will be fitted out and fishing
osecuted much more extensively than during the last few
ars, with the natural result that supplies will be larger.
e repeat, and it is quite obvious, they have benefited by
e extremely high prices that have been charged, very
uch more in proportion than the increased cost of gear,
el, etc. Yours faithfully,

January 16. GADUS MORRHUA. (26/40.)

The Qualified's Point of View.

SIR,—Your correspondent, "Historicus" (*C. & D.*, Janu-
y 18, p. 55), echoes an extremely prevalent cry of to-
y by the majority of those who are unsuccessful in
gotiating the examination set forth in the particular
lling they have decided to follow. "Give us the fruits,
t, for heaven's sake, do not require us to cultivate the
es; the weather may be against us, and look how hard
would be for us to expend so much energy, and perhaps
rd to try and try again before we are successful." This
the essence of many of the cries of to-day, and is not to
found only in pharmacy, but in most of the callings of
c, and there seems to be a growing tendency to make
aminations easier instead of harder, which latter should
the course, considering the increased advantages of
ucation to-day. However, I will merely take a few
the points "Historicus" lays so much store by in his
ter. I agree with him that many of his brethren are
ry capable men indeed, but that does not excuse them
m failing to pass the Minor—rather points to some
orthcoming on their part. He says that many would
ve passed but for the greed of employers, and this is a
very poor excuse indeed, and a fair sample of the general cry of the weaklings. If "Historicus" has read much of the lives of successful men he will have gathered that most of these have been the busiest of workers, but still found time to study and achieve their goal. I expect they occupied their time in working, and not bemoaning their lack of enterprise, etc. Another special point in his pleading is that very many had dependents in the shape of parents, and thus could not afford the necessary funds. This perhaps may have been the case of a few, but I would rather believe the dependents largely consisted of wives and families, which were a voluntary addition to the difficulties which a man has in studying for his examinations. The Preliminary and Minor are still available to "Historicus" if he has any serious desire for the benefits they produce, and he need not think that a back door is going to be made for those who cannot go in by the front one. I would point out that I saved sufficient to pay for a three months' course at the London School of Pharmacy, pay the Minor fee, buy the necessary books, and cover board and lodging out of a salary of 35*s.* per week in thirteen months, and during that time was in "digs," and had not the slightest help from anyone, and I am only an average mind at that. What "Historicus" lacks is the will to do; he certainly fails to make out a good case for the failures. "MINOR MAN." (18/19.)

Metric Prescriptions.

SIR,—When the new B.P. was published we ordered and obtained metric weights and measures, duly stamped, much to the amusement of the staff in general, who prophesied that we should never see a prescription in the metric system. A local medical man, who saw them in the pharmacy one day, sarcastically inquired if we were starting a museum! However, this week our conscientiousness has been duly rewarded by a customer presenting the awaited prescription, and incidentally our trouble began. The scrip was as follows:

Sod. bicarb.	... ...	dgrms. iv.
Syr. aurant.	... ...	mils. iv.
Aq. ad	... ...	mils. ij. t.d.s.

We sent and pointed out to the writer that we could not dispense it as written; so after carefully explaining that he expected to get them all wrong the first week or two, he altered it to "Aq. ad mils. viij. After a good deal of discussion in the pharmacy about the label, we decided to follow the accurate example of our guide, companion, and friend, the B.P., and wrote "Eight mils, about two teaspoonfuls nearly." This was fatal, as the customer promptly returned to know if we were attempting a feeble joke—"eight miles of medicine." After a lot of wasted time in explanation we advised him to see the doctor about it, which he did, and the scrip has now been amended as follows:

Sod. bicarb.	... ...	dgms. iv.
Syr. aurant.	... ...	mils. iv.
Aq. ad	... ...	ʒss. t.d.s.

We are now back in our proper element once more, and can breathe freely.—Yours faithfully,

MILLIE LEETER. (18/91.)

What is a Chemist's Assistant?

SIR,—With regard to the point raised by "Xrayser II." as to the term "chemists' assistant," I am sure that to all trade-unionists it bears a very simple and straightforward meaning, particularly, at the present time—viz.: All those who receive from another, or others, a stipulated sum as remuneration for services. It remains solely to associate with one's appropriate fellow-workers for the collective protection of that stipulated sum to become a trade-unionist. Yours faithfully,

Wandsworth, S.W. 18. W. GREENFIELD.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Eczema Ointment.

What is Ellidge's eczema ointment? If not a proprietary article, an indication of the composition would be useful (255/42).

Demobilised Assistants.

Mr. E. N. Lloyd, Secretary of the Amalgamated Society of Pharmacists, Drug and Chemical Workers, 31-33 High Holborn, London, W.C., invites communications from chemists and assistants who may be demobilised from the Forces. He will be glad to advise inquirers as to the present position of assistants in the drug-trade.

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

Oxbro (29/60).—None of the restrictions on the dispensing of medicines by chemists prevents you from repeating for a civilian a prescription containing a small quantity of chlorodyne.

Cortex (25/48).—PARTNERSHIP OF QUALIFIED CHEMIST AND UNQUALIFIED PERSON.—(1) The partnership would be legal as between the partners and as between the partners and creditors, etc., but (2) the unqualified partner would be liable to penalties for keeping open shop for the sale of poisons if the partnership were proved. (3) A limited liability company, of which an unqualified person could be a director, could carry on a chemist's business, but the manager must be qualified.

B. M. (23/24) entered the service of a firm as assistant on November 11 last. On November 13 he left the firm's premises at 1.30 P.M. to go to his lunch, and on his way, while crossing a side-street, he was knocked down by a taxicab, with the result that his ankle was badly injured. Has he any claim against the firm for compensation under the Workmen's Compensation Act? [In our opinion the accident did not arise "out of and in the course of his employment," and "B. M." has no claim against the firm under the Act referred to.]

Balsam 5/25 asks what EXCESS PROFITS DUTY he is liable to pay on the following figures, and whether the special allowance granted to small traders applies to him. His pre-war standard of profits was 607*l.*; net profits in 1915-16 were 975*l.*, in 1916-17 were 850*l.*, and in 1917-18 are 1,000*l.* There has been no increase or decrease of capital in the period. He also asks how the duty is made out. ["Balsam" gives figures of profits duty assessments for the years 1915-16 and 1916-17, and these do not correspond to the net profits which he gives: in replying to his query we assume that his figures for profits are correct. The duty chargeable on 1,000*l.* is 154*l.* 8*s.*, made out in this way:

Profits for accounting year		£1,000
Less pre-war standard of profits	£607	
,, statutory allowance ...	200	
		807
Profits chargeable		£193

Duty on 193*l.* at 80 per cent. is 154*l.* 8*s.*
The special allowance granted to small traders does not apply in this case, as the pre-war profits exceed 500*l.*]

Barter (25/91) asks whether it is an offence for a customer to attempt to obtain cocaine. The customer presented a prescription which appeared to be a copy by an amateur; it was not in accordance with the Cocaine and Opium Regulation, and therefore "Barter" refused to dispense it. "Barter" would like, however, to have been in a position to warn the customer that he is committing an offence in endeavouring to obtain cocaine. [It would seem that the attempt to which our correspondent refers is covered by the wording of Regulation 48 of the Cocaine and Opium Regulation. We quote the regulation in its present form:

48. Any person who attempts to commit, or solicits or incites or endeavours to persuade another person to commit, or procures, aids or abets, or does any act preparatory to the commission of, any act prohibited by these regulations, or any order, rules, or other instrument made thereunder, or harbours any person whom he knows, or has reasonable grounds for supposing, to have acted in contravention of these regulations, or any order, rules, or other instrument made thereunder, shall be guilty of an offence against these regulations, or, if the act constituted or would have constituted a summary offence against these regulations, of a summary offence against these regulations.]

Quinine (9/37) purchased in August last 300 ounces of quinine and in October last 500 ounces of quinine for delivery "on arrival expected shortly and subject to release by Director of Army Contracts." After the contracts were made, and before the goods were delivered, the Quinine Dealings Order, 1918, was passed, fixing controlled prices for quinine, and making it an offence for any person to purchase or sell or make or take delivery of or payment for any sulphate of quinine above the prices fixed by the Order, in this case 3*s.* 2½*d.* per oz. The selling firm made delivery of the quinine at the end of last month, and claim that "Quinine" should accept and pay at the contract prices, which are considerably higher than the maximum price fixed by the Order. "Quinine" asks if he is justified in taking delivery, and if he can legally accept the goods at the higher prices. [No. The law on this matter has been settled by the recent decision of the House of Lords in the case of *The Metropolitan Water Board v. Dick, Kerr & Co. Ltd.* It was laid down in that case that where parties enter into a contract which is not fulfilled before an emergency statutory Order is made which makes it illegal to carry it out the contract ceases to exist. That is what happened here. After the Order came into force, the firm which sold the quinine ceased to be under any obligation to deliver it and "Quinine" ceased to be under any obligation to accept and take delivery of it, just as if the contract had never been made. Further, they would both be guilty of an offence if they delivered or accepted delivery of or made or took payment for the goods at the contract price. The position therefore is, that "Quinine" need not accept the quinine at all unless he wishes to do so and the sellers are prepared to take the controlled price, and then he is only liable to pay the price fixed by the Order. If he does not wish to accept, he ought to inform the selling firm at once that he cannot accept in consequence of the Order, unless at the controlled price.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Coal-tar (20/34).—INSECTICIDE.—The conditions laid down for the coal-tar horticultural insecticide liquid—freedom from creosote or carbolic acid—are rather stringent, but probably a suspension or a solution of naphthalene could be devised to suit your customer's requirement.

Curious (91/8).—PINK SAUCERS.—This old form of selling dye for domestic purposes consisted of safflower lake deposited in saucers or shells. To prepare the lake the safflower is washed with water until the water comes away colourless, then the safflower is moistened with a 15 per cent. solution of sodium carbonate so as to form a thick paste. The paste is left for some hours and then pressed, the liquid obtained being nearly neutralised with acetic acid. The colour is then taken up by cotton placed in the liquid, and after twenty-four hours the cotton is taken out and digested for half an hour in a 5 per cent. solution of sodium carbonate. The liquid obtained in this manner is acidulated with citric acid and the precipitate allowed to deposit on saucers or shells.

H. S. (17/6).—FEVER-CURE.—The formula for which you ask is as follows:

Ac. nitric, B.P.	ʒj.
Aq. menth. pip.	℥vj.
Aq. ad	℥viij.

Misce.

G. W. & S. (16/44).—We think that Bloxam's "Chemistry" (Churchill, 21*s.*) would suit your purpose: it includes all kinds of chemicals, but deals also with the theories of chemistry.

Albion (14/17).—USES OF DRUGS.—Humphrey's "Materia Medica" (Kimpton, 6*s.* 6*d.*); or Murrell's "Aids to Materia Medica and Therapeutics" (Baillière, Tindall & Cox, three parts, each 2*s.*), would suit you.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," Jan. 15, 1869

Hair-restorers.

The Lancet states: "Considering the number of advertisements of preparations for the hair with which almost every paper we take up teems, promising speedy and infallible remedies for every defect or deficiency, it is not a little remarkable and contradictory that one should still behold amongst one's friends and neighbours so many grey and bald heads. As far as we can judge, the number is not less now than it was when we ourselves were young, and before our parting became wide or our hair tinged with silver grey. Is the hair grey?—forthwith one tribe of advertisers promises to restore it to its original colour in almost less than no time. Has the scalp become denuded for years of its chief ornament? Another set offers to clothe it afresh with rich and luxuriant tresses. Is the hair lank and straight and lustreless? A third class of hair-restorers advertises a variety of nostrums for rendering it curly, glossy, 'beautiful for ever.'"

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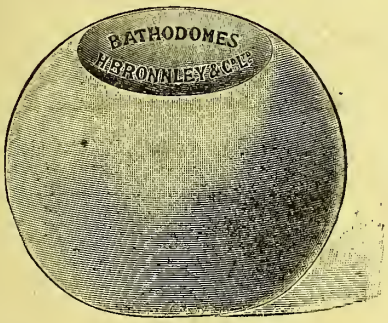

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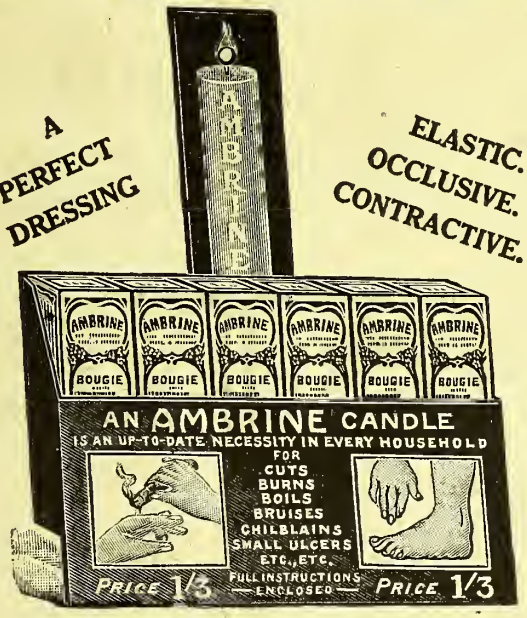

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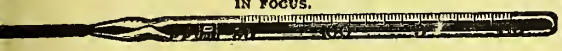

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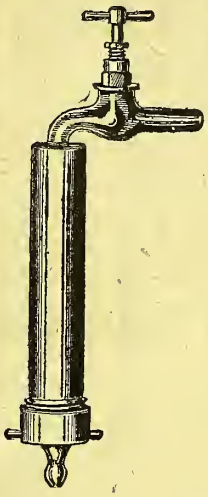

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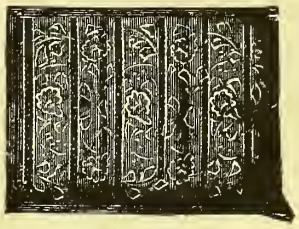

Fig. 1354.

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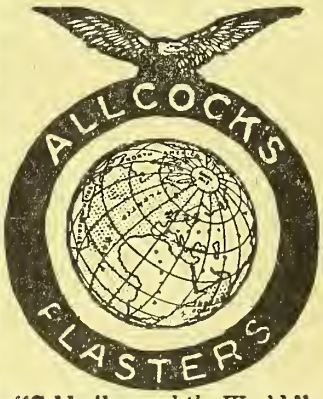

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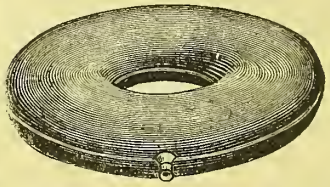

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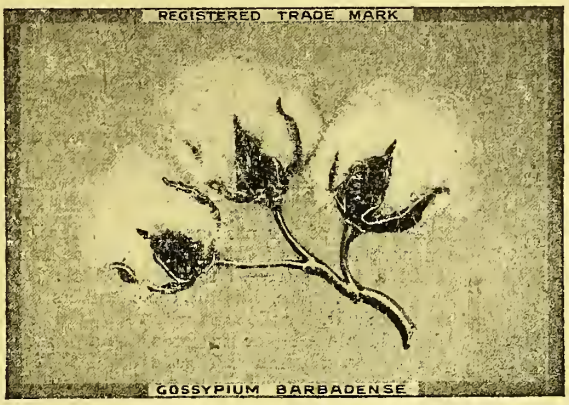

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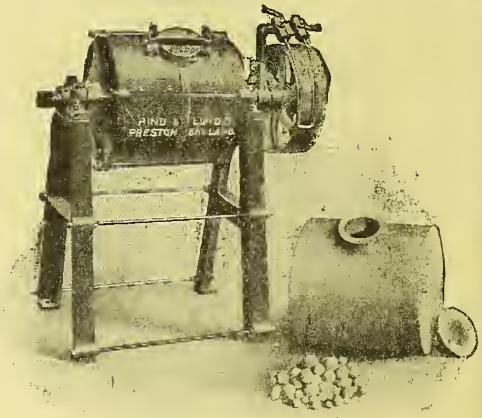

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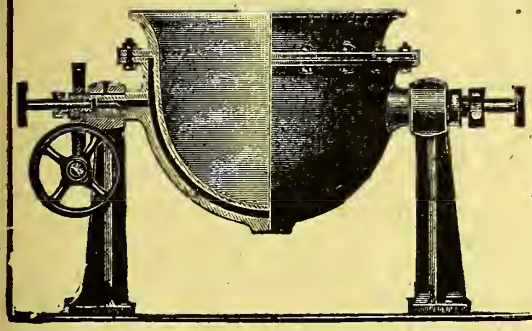

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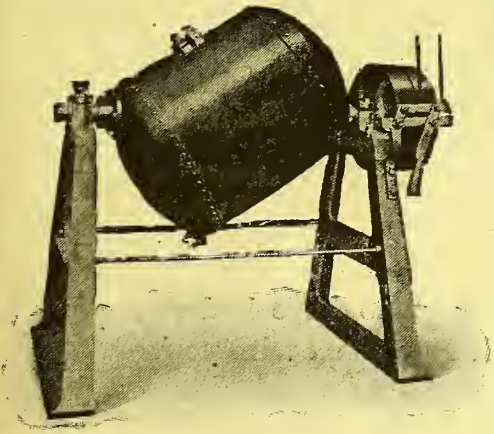

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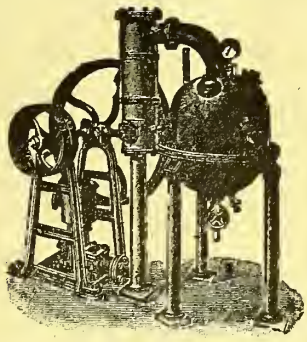

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICES: 42 CANNON STREET LONDON, E.C.4

JANUARY 25, 1919.

Advertisements for this Supplement must be received not later than First Post on Thursday Morning.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—High-class Dispensing Business, suitable for partnership; returns over £4,000 last year; well-appointed Pharmacy, fully stocked; price to be agreed equitably.

2.—LONDON, W.—Good-class Business, Dispensing and Retail, situate in centre of excellent residential locality; returns about £900; gross profit 50 per cent.; well-appointed shop; large residence; held on lease; to effect a speedy transfer no reasonable offer will be refused.

3.—CAMDEN TOWN (Death Vacancy).—Well-appointed Shop, situate near busy railway station; returns exceed £1,500, with scope for extension; large residence; new lease; terms, valuation of stock and fixtures, and nominal sum for goodwill.

4.—LONDON, N.W.—An exceptionally good and reliable Business in select residential locality; returns £2,219; net profit over £600; terms, valuation of stock and fixtures, and sum for goodwill to be agreed equitably; vendor retiring.

5.—HYDE PARK.—For immediate disposal, high-class Dispensing and Retail Business; returns upwards of £1,200; gross profit between £650 and £700; the business is known to us, and we can recommend it; valuation terms.

6.—LONDON, S.W.—Residential locality; old-established Business; held by vendor many years, now retiring; returns £1,100 at good prices; well-fitted shop, and comfortable residence; price to be agreed.

7.—LONDON, S.E.—Ready-money Business; returns, under Assistant, £13 weekly; *net profit* £250; price £175; good opening for a young man with small capital.

8.—WESTERN COUNTY (Health Resort).—Good-class Business for disposal through death; returns between £1,200 and £1,300, with scope for extension; well-fitted shop and large residence; rent £55; for an immediate sale, less than the value of stock and fixtures will be accepted.

9.—N.W. COAST (Popular Health Resort).—Ready-money Business; capital situation; returns £2,700; *net profit* £900; turnover might be materially extended under qualified management; price £2,500.

10.—L. & N.W. (Main Line).—Old-established Business; Retail and Wholesale in packed goods; gross receipts exceed £8,000, and during the past three years the average gross profit amounted to £2,031; the premises are held on long lease at a rental of £60; price about £3,000; a banker's reference will facilitate business.

11.—KENT COAST.—Good middle-class Business; Dispensing, Prescribing, and Photographic; established 50 years; returns £900; present rate, owing to neglect, £550; comfortable residence; rent £45; price £350; excellent opening for an energetic man with small capital.

12.—GLOUCESTERSHIRE (Market Town).—Good-class Family Retail and Dispensing Business, with Photographic connection; returns last year £1,764 at fair prices; double-fronted shop; roomy house; no keen opposition; terms, goodwill and valuation would be considered.

13.—KENT (Busy Market Town).—Very old-established Business; returns, present rate, between £30 and £40 weekly, under management; double-fronted shop; good selling window; house has six rooms; nice garden; rent £42 10*s.*; valuation of stock and fixtures will be accepted.

14.—GREAT CENTRAL (Main Line).—Retail and Dispensing Business; returns about £4,000 (present rate); business suited to an energetic man with knowledge of good-class trading; terms, valuation of stock and fixtures, and premium for goodwill.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BUSINESSES FOR DISPOSAL.

1s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

DOVER.—For sale by private treaty, good-class Chemist's Business; now in widow's hands; Insurance Dispensing more than pays establishment charges; references and books can be had. Mrs. G. F. Forster, Castle Street, Dover.

EAST COAST.—Live Business, doing £2,500, commanding corner position in centre of fast-growing town; very old-established; profits good; held on lease; six years to run; rent £44; ill-health cause of sale; price £1,000. Address 22/42, Office of this Paper.

KENT.—Good-class country Business; established 1850; nice house; short hours; easily worked; unopposed; pleasantly situated; double-fronted shop, well stocked; premises held upon lease; moderate rent; rates and taxes low; returns £1,350; thoroughly genuine concern; open to every investigation; owner leaving trade entirely. Apply 247/20, Office of this Paper.

LONDON, N.W.—Good-class Dispensing Business for disposal; returns £1,450 per annum; net profit £360; price £650. Letters to 240/5, Office of this Paper.

LONDON, S.E.—Cash Retail and Prescribing; profitable Family Business for sale, through ill-health; never changed hands; returns, for 1918, £1,324, rapidly increasing; good house; rent £40. Full particulars to genuine buyer, and a trial might be arranged. Apply 241/1, Office of this Paper.

LONDON, S.E.—Increasing Cash Retail; last year's returns £560; rent £46; established 13 years; no N.H.I. at present, great large scope for same; no opposition; comfortable house, corner; separate private entrance; small garden; closed Thursdays; price £250; part could remain. Edwardes, 2 Staplehurst Road, Lewisham, London, S.E. 13.

LONDON, S.E.—Excellent position in busy main road; Cash Retail doing £30 per week (increasing) under very indifferent unqualified management, and closed several hours daily; ordinary attention could double returns almost immediately; well-stocked double-fronted shop, and house; rent £45 per annum; the position and possibilities are exceptional; price asked £425; only principals with cash ready need apply to 244/38, Office of this Paper.

MANCHESTER.—Consulting, Prescribing and Recipe, and Goodwill of the celebrated Patent Medicine known as Hoffner's Cough Balsam.—For disposal, the old-established Business of J. Higham & Co. (J. Hoffner), situated 122 Portland Street; owner retiring after 43 years' occupation; an exceptional opportunity to a young, energetic man with moderate capital.

MIDLANDS (Death Vacancy).—Sound Business for sale; well fitted and stocked; returns £1,250; £400 for quick sale. Write 244/15, Office of this Paper.

MIDLANDS.—Suburban Business; same hands many years; thoroughly genuine; average returns last three years £1,350, with good profits; own Proprietaries selling well; illness cause of sale; double-fronted shop, large and attractive, with large house, also garden; rent £50. Apply 245/16, Office of this Paper.

MILFORD, SURREY.—For immediate disposal, owing to death of proprietor, very profitable Cash Retail Pharmacy; only one in locality; returns over £2,000, increasing; good stock and well-fitted premises; leasehold; low rental; 10 years yet to run; audited accounts from commencement in 1914. Fuller particulars on application to Turner, Oak Bank Cottage, Milford, Godalming, Surrey.

NORTH-EAST COAST WATERING PLACE.—General Retail and Dispensing Branch Business for sale; returns £600; scope for increase; property for sale as well if desired; reason for sale, difficulty of getting Manager. Apply 241/6, Office of this Paper.

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35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

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1.—WEST OF ENGLAND.—For early disposal, two good-class Dispensing Businesses, together or separately; turnover £5,000; net profit about £1,100; price £1,400 and £1,200 respectively, or small goodwill and valuation.

2.—MIDLANDS.—Well-established Wholesale and Retail Business for sale through ill-health; returns average £6,500; plenty of scope; low rent; on lease; books audited, and every investigation courted; price £3,500.

3.—ESSEX COAST.—Select Retail Dispensing and Photographic Business in best position; returns last year £1,370; *net profit* £422; pre-war returns £1,800; good house and Pharmacy; price £100 and valuation; in all about £850; personally recommended.

4.—HOME COUNTY.—Good-class Retail and Dispensing Business; ill-health sole cause of sale; returns £1,060; *net profit* £428; good house and garden; modern well-stocked Pharmacy; price £750.

5.—N. DEVON.—Unopposed Light Retail and Dispensing; close to sea; returns £850; *net profit* £360; low rent; large house and splendid garden; price £500.

6.—BERKS (25 miles out).—£150 secures a sound Business at present under female; returns £8 to £11 weekly, at good profits; low rent; stock and fixtures worth fully £200; smart man with little spare capital would at once add £5 a week to takings; worth attention.

7.—LONDON SUBURB, S.E.—Very profitable suburban cash Retail; no Panel or Dispensing; returns £2,000; *net profit* £700; splendid position; well fitted and stocked; owner retiring; price £1,300.

8.—LONDON (Essex Suburb).—Profitable light middle-class Cash Retail; practically unopposed; returns over £1,000; *net profit* £436; books properly kept; well fitted and fully stocked; price £650.

9.—LONDON, S.E.—Light Cash Retail, under Manager; returns £520; profits half; plenty of scope; lock-up shop; low rent; price £175.

BUSINESSES WANTED.

We are in immediate want of sound concerns returning from £700 upwards; town and country; cash buyers waiting; intending vendors are cordially invited to correspond. Terms on application. Established 1870.

BUSINESSES FOR DISPOSAL (*continued*).

NORTH WALES.—A good old-established Retail Business for immediate disposal; double fronted corner position; easily and cheaply worked. Apply 222/30, Office of this Paper.

SOUTH YORKS.—For immediate disposal at valuation, very profitable Retail Business on main road of large city; present returns £1,700; good fittings; lock-up shop; double-fronted corner position; many years in present hands; easily and cheaply worked. Apply 245/38, Office of this Paper.

SOUTH YORKSHIRE.—Unopposed Business for sale in growing country town; no heavy trade; returns £1,850; scope for Optical and Dental work; modern shop, well stocked and fitted; fullest investigation allowed on receipt of satisfactory references. Apply 247/40, Office of this Paper.

BUSINESS for sale; value stock and fixtures £175; only expense, rent 12s. 6*d*. weekly; 21 years' lease; cash weekly £10; N.H.I. monthly £8; no repairs; splendid fittings; sound reason for disposal; value square. Apply 236/25, Office of this Paper.

CHEMIST'S Business for sale; country town; cash takings about £50 weekly; established century; shop with roomy house, etc.; death reason for selling. For all details write "Chemist" (22/47), Office of this Paper.

EXCELLENT opportunity for young man, reading for the Minor, to acquire a Light Retail and Dispensing Business on easy terms; modern premises; good window; private entrance; single man could let off half rent; part cash; rest by easy instalments; first-class opening for an energetic man. Apply 242/23, Office of this Paper.

FOR disposal, an old-established Business capable of being considerably increased, as, owing to proprietor's illness, it has been somewhat neglected; lock-up shop. Price and valuation, stock and fixtures. Apply "N. W.," c/o Evans Sons Lescher & Webb, Ltd., Liverpool.

FOR sale, country Drug Stores, Lyminge; goodwill £50; stock and fixtures at valuation; good house and garden; low rental; near station. Apply M. P., Lyminge, Kent.

LUCRATIVE, Mixed country Business for disposal in Cambridgeshire; good net profits; no opposition; good Prescribing connection; little N.H.I.; turnover £2,800; also an appointment worth £150; comfortable dwelling-house, large garden, lawn, and paddock; rent £40. Apply "Genuine" (243/35), Office of this Paper.

OLD-ESTABLISHED Wholesale, Drug, and Sundries Business in Manchester, with premises; good living accommodation; all at valuation; about £1,500. Apply 246/3, Office of this Paper.

OWING to death of proprietor, an old-established Chemist, Bookseller, Stationer, Fancy Goods Business for immediate disposal; inspection invited. All particulars from Mrs. Treweeks, Pembroke, S. Wales.

SOUND Retail Business in good working-class district of Lancashire town; no heavy trade; N.H.I. about 6,000 a year; the business has only been open about two years, and offers exceptional scope for development; present returns about £800 (excluding N.H.I.); price value of stock and fixtures, and premium for goodwill (about £400). Apply 242/19, Office of this Paper.

£200 CASH.—Handsome Pharmacy in West London; long lease; very low rent; fittings worth the money; good reasons for disposal; would be a splendid investment for live man; grand neighbourhood, and first-class shopping centre; Dental Surgery and Sight-testing room ready for use. Apply 244/37, Office of this Paper.

BUSINESSES WANTED.

LONDON.—Quick Cash Retail on Drug Store lines, with scope for expansion; net profits £500 or over. Full particulars to "Gentian" (244/34), Office of this Paper.

ADVERTISER (unqualified) requires sound Mixed Drug Stores with living accommodation preferred; country or seaside. Please state full particulars and price for cash, or part cash and balance by instalments (replies strictly confidential), to 241/400, Office of this Paper.

ADVERTISER, a qualified Chemist, desires to hear of a neglected business near London or South Coast, with opening for Dental and Optical, or accept control, view to succession, easy ingoing and instalments; house attached. Apply 246/23, Office of this Paper.

CASH Drug Stores wanted in any London district; must do over £20 per week, and bear investigation; small residence desirable. Full particulars and price asked, in strictest confidence to 244/380, Office of this Paper.

GENUINE Business required, house attached, with £300 to £400 net profit. Send full particulars of premises, locality, class of trade, how long in present hands, reason for selling, with turnover and net profit, in confidence, thorough investigation. "M.P.S.," 116 Forest Road, Torquay.

SMALL Light Retail, with scope for increase; anywhere on the South Coast; must have modern house attached, and be in healthy neighbourhood; could take over immediately, or any time within three months; preferably without N.H.I., and with scope for Optics. Fullest particulars in strict confidence to 247/5, Office of this Paper.

WANTED, genuine Business; Lancashire preferred; suitable for unregistered; neglected not objected if scope for increase, or would manage with view to early succession; cash ready. Full particulars and price in strict confidence, "Acquire," 135 Queen Street, Newton Heath, Manchester.

WANTED to purchase, a small Manufacturing concern, capable of expansion. Apply 246/6, Office of this Paper.

WANTED, good medium-class Business, showing profitable returns of at least £1,500, with scope for increase; Teeside district preferred; must bear strictest investigation; Managership with view to succession entertained. Reply in confidence, giving particulars, to "H. D. M." (247/37), Office of this Paper.

AGENCIES.

AUSTRALIAN TRADE.—An enterprising firm, owning the leading Pharmacy in one of the capital cities, wants the Australian Agency for a Manufacturing firm wishing to introduce their products to the medical profession or the general public; special facilities for introducing high-class Toilet specialities, Perfumery, etc.; any business undertaken will be handled with experience and energy. Apply 239/32, Office of this Paper.

BELGIAN firm, having good connections with large buyers, desires Agency in Belgium for alimentary products, Spices, Drugs, etc. Apply to Van de Walle, rue de l'Evêque 48, Antwerp.

BELGIAN Druggist and Herb Exporter, owner of warehouses, carts, and horses, desires to come to agreement with English Drug and Chemical Manufacturers to represent them in Antwerp as Agent on commission, with or without depôt. Address 211/20, Office of this Paper.

BELGIAN Manufacturer, good installation, seeks sole representation, or manufacture under licence, Chemical, Pharmaceutical, or industrial products; best commercial and bank references. Write Alph. Remi, rue du Brou, 85, Verviers, Belgium.

CARDIFF, NEWPORT, AND YEOVIL DISTRICT.—Chemist Agents wanted (immediately) to stock on sale or return Slaxown Pile Cure, now advertised in their weekly papers; agents' names inserted; profit, 8*d.* on 2*s.* 6*d.*; all risk mine. A. Bernard Slack, 68 Lodge Lane, Liverpool.

EGYPT AND PALESTINE.—London house, with offices in Egypt and Palestine, is open to entertain sole representation for Drugs, Chemicals, Toilet preparations, Soaps, Sundries, etc.; connected with largest buyers on the other side; best references. Write 244/3, Office of this Paper.

FRENCH Pharmacien, 50, living in Paris, retired from business after having sold his Pharmacy (one of the most important in its Province in France), places himself and his diploma at the disposition of an English or American house, manufacturing Pharmaceutical and Chemical products; he is open to act as their Agent, Representative, or Depôt Manager in Paris; full references supplied. Write to "R. F .V." (245/23), Office of this Paper.

INDIA.—Wanted to represent an English Wholesale Drug house in India for Crude Drugs, Galenicals, packed goods, etc.; already well-established as Agents for certain Proprietary preparations; could also take a patent food; have our own travellers; bank reference, National Bank of India, Bombay and London branches. Replies to E. Stella & Co., Bombay, India.

ITALIAN Chemist, 36, knowledge English, highest credentials, excellent references, well connected with Italian manufacturers, Wholesale concerns, Chemists and Physicians, desires to act as Representative for British firm, to introduce, in Italy, Chemicals, Drugs, English Pharmaceutical specialities. Write Celso Duse, 18 Via Garibaldi, Torino.

IRELAND worked thoroughly by advertiser carrying two well-known Proprietary lines, who desires to take up another good line or agency on commission or otherwise; commands the most extensive and personal connection possible with both Wholesale and Retail Chemists and Druggists. Reply to "Influence" (31/69), Office of this Paper.

PORTUGAL AND PORTUGUESE WEST AFRICA.—Lisbon firm (Wholesale Chemists and Druggists) seeks agencies from manufacturers of Pharmaceutical and Chemical products or other suitable articles; correspondence in English or French. Particulars from Mitchell Genge & Gimenez, 28 Monument Street, London, E.C. 3.

CAMILLE HONHON, 10 rue Leys, Brussels, broker, specialising in Drugs and Chemicals, well introduced in Belgium and the North of France, desires to represent British firms dealing in pure and industrial Chemicals, pure and fatty products used in Pharmacy and the Drug trade, Acids, Essential Oils, etc. References direct or from Ch. Delacre & Co., Brussels.

DRUGS, CHEMICALS (FINE OR HEAVY), AND ALL ARTICLES USED IN THE CHEMICAL OR GROCERY TRADES.—An Englishman resident for several years in New York, now on a visit to London, and with a large English connection, is open to act as the New York buying agent for two or three more first-class houses; an interview can be arranged by appointment. Apply "T. H." (31/9), Office of this Paper.

MANUFACTURERS' Agencies wanted, buying or selling, by a gentleman who has a very large connection amongst Chemists, Hairdressers and Stores, and who already holds Agencies for well-known lines; Toilet Specialities preferred. Write Varda, Greenlands, Greenlands Road, Staines.

MANUFACTURERS' AGENCIES.—Advertiser desires Agencies for Chemists' Sundries, Toilet and Perfumery goods; large offices and stock-rooms; travelling staff; large connection with British, foreign, and Colonial trade; 25 years' experience. Apply 246/31, Office of this Paper.

MR. DUBOIS EMILE, Manager of a British firm in Belgium, 39 Rue de la Blanchisserie, Brussels (first-class references), having large clientèle among Doctors, Chemists, Druggists, Midwives, Veterinary Surgeons, Dentists, Perfumers, large public bodies, breeders, and various industries, should like to get some other Agencies of important English or American firms.

THE ANGLO-FRENCH DRUG CO., LTD., desire to inform the trade that they have opened a Branch in Paris with large Stock Rooms. They are therefore now in the position to offer their unique experience in introducing British goods and Specialities into France, and would be pleased to receive proposals as to sole Agencies. The Company would also act as buyers in France for British and Colonial firms on a small commission basis. Proposals, etc., which will be treated confidentially, to be sent to the Head Office, Gamage Buildings, Holborn, London, E.C. 1.

TRAVELLER, young, with very large connection, desires to represent a first-class house in Perfumery, Toilet Soaps, etc.; can furnish excellent records and references; salary £500 and expenses. Full particulars to 242/15, Office of this Paper.

VENETIAN Druggist desires to represent British and American firms in Pharmaceutical, Perfumery, Toilet articles; travellers employed in all parts of Italy; references and guarantee furnished. Write Farmacia, Inglese Rossi, Venice (Italy).

FOR SALE.

EMULSIFYING Machine, made by Morton, Wishaw; capacity about 4 gallons; complete, and in good order, with water jacket at bottom; price £2 10*s.* Apply 242/21, Office of this Paper.

FOR sale, 86 lb. Sugar Milk; 3*s.* 6*d.* per lb., carriage paid; or nearest offer. "Messina" (244/22), Office of this Paper.

FOR Sale, two 56-lb. bags Shampoo Soap Powder (white), 8*d.* lb. Harvey, Chemist, Knaphill, Surrey.

FOR sale, Potassium Bromide, 2 lb.; Quinine Salicyl., 3½ oz.; Quinine Hydrochlor., 9½ lb.; Quinine Sulphate, 24 oz.; Sodii Benzoat., 1 lb. 9 oz.; Lithia Citrate, 7 oz.; Lithia Benzoate, 8 oz. Best offers considered. Kents, Ltd., 226 Blackfriars Road, S.E. 1.

MIXER; double blade and reversing; suitable for heavy mixings; size of mixer inside, 30 in. by 1 ft., 10 in. by 24 in. deep; little used. Apply 217/31, Office of this Paper.

ONE barrel, about 3½ cwt., best white Petroleum Jelly; price 1*s.* per lb. net. Roberts, 2 Skipton Street, London, S.E. 1.

PHOTOGRAPHIC Printing and Developing, three Upright Tanks, Moore's Printing Machine, etc.; complete outfit for trade work. Full particulars to 30/35, Office of this Paper.

STILL, Copper, with Pump and Engine; in good going order; 3 ft. diameter, 50-gallon capacity; maker, Blair & Campbell & McLean. Apply 236/38, Office of this Paper.

SUGAR of Milk; 28 lb.; U.S.P.; 4*s.* lb., carriage paid. Yankee, Ltd., 76 High Street, Manchester.

TYPEWRITER, "Remington," in first-class order; also a Mixing Machine, suitable for mixing about 3 cwt. of lozenge or other paste. For further particulars apply 217/310, Office of this Paper.

15 GROSS 4½*d.* Vaselines. Apply 236/29, Office of this Paper.

1 CWT. Sodii Sal., B.P., whole or part, 6*s.* 3*d.* per lb. M. Blumenthal, M.P.S., 164 Lightbowne Road, Moston, Manchester.

PARTNERSHIPS.

ADVERTISER, 39, energetic, pushful, reliable, at present proprietor Retail business, wishes responsible position in Wholesale Drug and Sundries house, with prospects of partnership in exchange for ability and cash; business capable of development. Reply, in confidence, 249/18, Office of this Paper.

PARTNERSHIP wanted, with a view to purchase in a few years; seaside preferred, but not essential; capital £1,000; plenty of energy and experience; high-class or good middle-class businesses only. Apply 244/24, Office of this Paper.

THE proprietor of a Medicinal product (registered), with increasing Retail trade orders, desires to get in touch with a man or firm with practical experience of proved profitable advertising and selling campaign, who will back up facts with capital; the line sells at 1*s.* 6*d.*, is packed in show outers with smart show matter, is a sure seller, creating satisfied customers every time; all the year trade; a £7 (12 dozen) net direct Retail trade order goes per post for 2*s.* Write if prepared to prove facts to "Yorkshire" (248/3), Office of this Paper.

APPRENTICESHIPS.

WANTED to apprentice, a youth, age 16, just left school, where he would have a good home, and where a sound knowledge of the business would be gained. Please give full particulars to Hillbust, Cromer Road, North Walsham, Norfolk.

LEGAL.

RE W. C. HEBDEN, DECEASED, MANUFACTURING CHEMIST, ALBANY WORKS, HALIFAX.

BUSINESS for sale by valuation or tender, including an extensive and well-established connection amongst the leading Wholesale and Retail Drug and Druggists' Sundry Dealers in Scotland, Ireland, Wales, the Midlands, and the six northern counties of England.

The principal part of the business is in the popular specialities. Included in the valuation will be all the Patents, Trade Marks, and private formulæ.

An efficient staff of representatives and employees are in full employ.

For further particulars apply to

MESSRS. STOREY, WILLANS & STOREY, Solicitors.

3 King Cross Street, Halifax.

TENDERS.

The Surplus Government Property Disposal Board

INVITES TENDERS

for any or all of the following CHEMICALS AND DRUGS:—

Description.	*Minimum Quantities.*
Bismuth Subgallate	50 Kilo packages
Caffeine Soda Benzoate	50 Kilo packages
Caffeine Soda Salicyl.	50 Kilo packages
Corrosive Sublimate	50 Kilo packages
Mercury White Ppt.	50 Kilo packages
Manna Catabrina	50 Kilo packages
Opium Powder 10% Persian	50 Kilo packages
Rad. Rhei. Pulv.	50 Kilo packages
Mercury Sulphate	25 Kilo packages
Mercury Salicyl.	25 Kilo packages
Potassium Chlorate	50 8-Kilo packages
Theobromine Soda Salicyl.	20, 25 and 50 Kilo packages
Bismuth Salicyl.	80 Kilo packages
Phenacetin	100-lb. packages

Tenders must be for not less than the minimum quantity indicated above against each item, and may be for any multiple of such minimum quantity. Cases and packages will be invoiced free of charge.

The Board does not bind itself to accept the lowest or any Tender.

Further particulars and Forms of Tender can be obtained from the Secretary, Surplus Government Property Disposal Board, 6 St. James' Square, London, S.W. 1, at which Office samples can be inspected.

SITUATIONS OPEN.

RETAIL.

BAKEWELL.—Wanted, reliable qualified Manager. Please send full particulars to E. G. Carrington, Chemist, Bakewell.

BIRMINGHAM.—Qualified Assistant required for quick Cash and N.H.I. Dispensing business; permanency; would suit elderly Chemist if active. Apply 247/901, Office of this Paper.

BRADFORD (NEAR).—Elderly qualified Assistant; easy hours; duties light; permanency. "L. M." (247/90), Office of this Paper.

BRIGHTON.—Assistant, unqualified; outdoors; age about 24. Apply, stating experience and salary required, to Gwatkin & Son, 49 Grand Parade.

BRISTOL.—Qualified Manager wanted for good-class Retail, Dispensing, and Photographic business. Apply, stating age, height, salary required (flat over shop if required), with references and when disengaged, to F. Moss, 206 Redland Road, Bristol.

BURNHAM-ON-CROUCH, ESSEX.—Manager required; qualified; age 30 to 45; permanency to suitable man; salary and commission. Apply, stating terms, to Lambert, 52 Aldborough Road, Seven Kings, Essex.

BURNLEY.—Qualified Assistant wanted for quick Cash business; comfortable outdoor berth; good prospects. State age and salary required, Hankeys, 10 Colne Road, Brierfield, near Burnley.

BUXTON.—Junior (either sex) for Light Retail and Dispensing; indoors; comfortable. State experience, age, salary required, with photo if possible, to A. Thresh, Pharmacist, Buxton, Derbys.

CARDIFF.—Qualified Manager wanted. Apply, with full particulars, photo, and two references, Frank Edwards, 46 Cardiff Road, Llandaff.

GLOUCESTERSHIRE.—Manager for branch business; quick cash trade, with some N.H.I. Dispensing; reasonable hours; permanency. Particulars of previous experience and salary required to 247/32, Office of this Paper.

HULL.—Qualified Manager required for Light Retail and Dispensing business; permanent and progressive berth; interest in the profits offered. "M. C." (247 903), Office of this Paper.

LEICESTER.—Qualified Manager wanted for small branch; house attached; easy berth; residential district; no heavy trade; no Sunday duty. All particulars, references, and salary required (house and gas found), to Wilby, Chemist, Humberstone Road, Leicester.

LONDON, E.—Elderly qualified Chemist required for Dispensing and Light Counter work; state age and salary required; permanency. "T. S." (247/900), Office of this Paper.

LONDON, E.C.—Qualified Manager; knowledge of Continental Pharmacy desirable. Apply Shadforth Prescription Service, 49 King William Street, E.C. 4.

LONDON, S.E.—Assistant required, qualified, outdoors, to take charge of small suburban business; no Sunday duty, and usual half-holiday weekly. Please state terms and full particulars to 243/36, Office of this Paper.

LONDON, S.E.—Wanted about March 1st, an experienced Assistant (outdoors) for a permanency; capable of taking charge; also an experienced Dispenser, and to assist at Counter; must have good references. Apply, stating full particulars, age, experience, salary required, and when disengaged, to 247/4, Office of this Paper.

LONDON, S.W.—Assistant, lady or gentleman, with good Counter experience; short hours, and no Sunday duty. Full particulars and when disengaged to J. Michie, 308 Earl's Court Road, S.W. 5 (near Earl's Court Station).

LONDON, W.C.—Wanted (shortly), a qualified and an unqualified Assistant for good-class business: outdoors; experienced and capable men required. Boutalls, Ltd., 150 Southampton Row, W.C. 1.

LONDON, W.—A Dispenser; able to take charge of Dispensing department; qualified; liberal salary and good prospects. Apply 244/140, Office of this Paper.

LONDON, W.—Wanted, a smart qualified Assistant with West-End experience, as Senior in a first-class business; liberal salary and progressive position. Apply 244/14, Office of this Paper.

LONDON, W.—Gentlemanly Assistant required. Full particulars to Manager, Central Pharmacy, 11 Shaftesbury Avenue (corner Piccadilly Circus), London, W. 1.

LONDON, W.—Unqualified Assistant required; part-time applications would be considered. Breakspear, 87 Abingdon Road, Kensington, W. 8.

LONDON, W.—Wanted (immediately), Assistant for Counter and Dispensing. Apply The Manager, Heppell & Co., 26 Piccadilly, W. 1.

LONDON, W.—Competent Junior Assistant required in first-class Dispensing business; staff of three; outdoors. Reply by letter, giving full particulars and stating salary required, to 247/15, Office of this Paper.

MANCHESTER.—Wanted, qualified Assistant or Assistant Manager for good-class Retail and Dispensing business. State full particulars, salary, references, etc. (outdoors), 247/35, Office of this Paper.

MIDLANDS, NEAR BIRMINGHAM.—Qualified Manager, married, required for very progressive quick cash and N.H.I. business; liberal interest in the profits offered to the right man. "B. H." (247/9), Office of this Paper.

NEWPORT.—Wanted, reliable Assistant, with good Counter and Photographic experience; one with knowledge of modern Salesmanship and progressive ideas; would find scope for own ability; hours 9 till 7 p.m., half-day Thursdays, one whole day a month, no Sunday or holiday duty. Please state full particulars and salary required. Clarkes, Chemist, High Street, Newport.

NOTTS.—Qualified lady or gentleman to take charge of branch shop; comfortable shop; easy hours; managed by lady Pharmacist for last two years. Usual particulars to E. J. Latham, Sherwood Pharmacy, Warsop, Mansfield.

SHEFFIELD.—Vacancies for qualified Manager and qualified Assistant will shortly be open in middle-class shops; hours easy; alternative Sunday duty; half-day on Thursdays. Applicants please give full particulars, salary, etc., to 65 Rustlings Road.

SOUTH KENSINGTON.—Lady Assistant required for Dispensing and Counter work in good-class business. State salary required, "Chemicus" (236/27), Office of this Paper.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

WEYBRIDGE.—Qualified Manager required for high-class Dispensing and Retail business. Send full particulars as to experience, references, age, salary required, etc., E. T. Neatherpat, Pharmaceutical Chemist, Weybridge, Surrey.

WORCESTER.—Junior Assistant, with good experience, required. State age, references, salary required, and enclose photo, Anderson & Virgo, Chemists, Worcester.

A COMPETENT reliable Assistant (qualified) wanted; must have had best experience in Dispensing, and be a smart tactful Counterman; outdoors; short hours; good salary to suitable applicant. Apply, with usual particulars, to Ralph Cuthbert, Ltd., Huddersfield.

ASSISTANT required (at once); unqualified. State particulars of experience, age, salary required, enclose photo if possible. Hicks & Co., Cardiff.

BOOKKEEPER wanted by West-End Chemist; spare time or evening work. Apply 247/39, Office of this Paper.

CAPABLE and energetic Assistant required for good-class Dispensing and brisk Light Retail business; must be an exceptionally good Salesman, quick and accurate Dispenser; hours 9-8. Saturday 9-9, Sunday duty from 6-8 p.m. every fourth Sunday. One full day off once a month; salary, if qualified, from £250-£300; if unqualified, from £175-£225, and commission. Rutter, Chemist, Seaforth.

DISPENSER wanted; forenoon and evening except Thursday and Sunday evening; busy working-class practice. Reply, stating terms, to Doctor Gallie, 12 Ford's Market, Victoria Docks, E. 16.

DISPENSER required; Saturdays, 2 till 8 o'clock. 'Phone Padd. 6666, or call (immediately), 151 Westbourne Terrace.

EVENINGS.—Assistant wanted for Counter and Dispensing four or five evenings weekly and Saturday afternoons if possible; must be tactful Salesman, and used to quick cash trade. Barkers, 21 Upper Tooting Road, S.W. 17.

EXPERIENCED Counter Assistant wanted for South Coast; must be good Salesman; short hours; no Bank Holidays or Sunday duty. Apply, with fullest particulars of experience, salary required (outdoors), to "E. C." (244/11), Office of this Paper.

JUNIOR Assistant required for Dispensing and quick Retail business. State age, salary required (outdoors), with reference, to 245/12, Office of this Paper.

JUNIOR Assistant required; outdoors. Apply, stating age, experience, and salary expected, to Thos. Davies, 485 King's Road, West Chelsea, S.W.

JUNIOR Assistant (outdoors) for good-class business; also young man to help in Warehouse. Please apply, with all usual particulars and stating salary required, to Charles Bing, Pharmaceutical Chemist, Canterbury.

MANAGER, qualified, energetic and trustworthy, for busy Cash and N.H.I. Dispensing in S.W. London. Apply, with full particulars, references, photo, and salary required (with and without rooms), to "Artex" (244/23), Office of this Paper.

MANAGER (qualified) wanted for Retail and Dispensing business; easy hours; no Sunday or holiday duty; must be able to take entire control, and possess undeniable references. Please give full particulars, age, experience, and salary required (outdoors), Kitching, Market Street, Oakengates, Salop.

MANAGER (qualified) for good-class business; London, S.W. Apply in first instance, giving full particulars as to age, experience, salary, etc., to "Aspirin," c/o Evans Lescher & Webb, 60 Bartholomew Close, E.C.

MANAGER or Locum for branch shop; East London; Light Counter and N.H.I. Dispensing; usual hours and half-day weekly. Apply E. Miller, 29 Upper Chapman Street, St. George's, E. 1.

MANAGER (married) for good-class suburban business in healthy neighbourhood, to live on premises; convenient house free; salary £250, with 10 per cent. net profits, paid on auditor's certificate; must be well recommended, and only one looking for permanency need apply; duties to commence March 1st. State age and experience (fully) to "M. A. B." (248/12), Office of this Paper.

MANAGING Assistant; not necessarily qualified; comfortable berth, easy hours, and an interest in the business offered to a capable man; personal interview and good references necessary. Barritt, 499 Harrow Road, W.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

NATIONAL INSURANCE ACTS.—The Birmingham Insurance Committee invite applications for the position of Superintendent of the Prescription Pricing Bureau. Applications in writing, stating fully experience, salary required, etc., with copies of two recent testimonials, to be sent to the Clerk, Insurance Committee, Birmingham.

QUALIFIED Manager required (immediately) for good-class Dispensing and Retail business in Highbury, Islington; first-class references essential, and good wages offered to satisfactory applicant. Apply Atkins, East Hill, S.W. 18.

QUALIFIED young man (single) required immediately; excellent opportunity for one who is anxious to make progress; must be energetic and absolutely reliable. "H. L." (247/902), Office of this Paper.

QUALIFIED Assistant for Retail and Dispensing business. Apply, stating age, experience, and salary required, to Innes & Son, Chemists, Stalybridge.

QUALIFIED Assistant wanted for working-class neighbourhood in Liverpool; Insurance Dispensing and brisk Counter trade. Particulars of applicant to 247/2, Office of this Paper.

QUALIFIED; London; an opening occurs for a young man, who has had experience in a modern, pushing business, doing a good trade; must be a fair Window-dresser, and acquainted with Photographics; only live men requiring a top salary (and capable of earning it). Please apply, with usual particulars, to 246/36, Office of this Paper.

QUALIFIED Manager for quick Retail and Dispensing business; state salary and usual particulars. Apply 247/16, Office of this Paper.

QUALIFIED Assistant (outdoors) for good-class business. Please apply Phillips, Ph.C., Lichfield Street, Wolverhampton.

QUALIFIED Senior Assistant; accustomed to good-class Dispensing business. Apply, with full particulars, to "Cork," c/o British Drug Houses, Graham Street, City Road, E.C. 1.

SMITH & HILL, Nether Edge, Sheffield, require Junior Assistant; used to good-class trade; outdoors; preference given to one studying for Minor. State age, salary required and experience, and enclose photo (to be returned).

PHARMACEUTICAL SOCIETY OF IRELAND.

THE Council of this Society will, on February 11, 1919, proceed to the appointment of an Examiner for the Preliminary Examination, subject to the approval of His Excellency the Lord Lieutenant and Privy Council of Ireland.

Full particulars will be supplied by the Registrar, with whom applications should be lodged not later than the 4th proximo.

ARTHUR T. FERRALL,
Registrar.

67 Lower Mount Street, Dublin,
January 17, 1919.

UNQUALIFIED Assistant wanted for Counter and Dispensing; good salary; occasional Sunday evening duty. Apply personally, Wm. Fox & Sons, Ltd., 109-113 Bethnal Green Road, E. 2.

WANTED (immediately), fully-qualified male or female Dispenser; good wages; live out; permanency. Apply Manager, Junior Army and Navy Stores, Ltd., Union Street, Aldershot.

WANTED, a reliable capable Assistant to manage a well-established branch business under control of Head Manager; qualified; age 25 to 35; preferred married, and wanting to better himself. Apply 12/51, Office of this Paper.

WANTED, Junior Assistant, about to complete his apprenticeship; outdoors; reasonable hours; no Sunday duty, and very little N.H.I. Dispensing. Apply, stating usual particulars and salary required, J. Evans, Chemist, Monmouth.

WANTED, a capable unqualified Assistant with good all-round experience; out- or in-doors; easy situation. State age, experience, and salary to 242/24, Office of this Paper.

WANTED, unqualified Assistant for Branch, Drug, and Specialty Stores; thoroughly permanent situation; good Window-dresser, etc.; salary £2 10s. and commission; easy hours, 9 to 9, and 6 to 8 Sundays. Hulme's, Ltd., Chemists, Nottingham.

WANTED, a qualified Assistant; must be capable and energetic; early promotion offered to suitable gentleman; permanency; easy hours; no Sunday duty. Apply by letter, stating age, experience, and salary required, 4 Salisbury Road, Redland, Bristol.

WANTED, unqualified Assistant (immediately); able to manage. Give particulars, salary required, and photo in first application, Bowling, Chemist, Pembroke Dock.

WANTED, a competent, trustworthy Assistant; knowledge of Dentistry useful. State age, salary required, and give references, W. T. Tucker, The Medical Hall, Dartford.

WANTED (early in February), capable unqualified Assistant, with good all-round experience; outdoors; hours easy; no Sunday duty. State age, experience, and salary required to Hitchman, Gold Street, Kettering.

WANTED (immediately), qualified male or female; suit elderly or one in delicate health, as duties are light and hours easy; no Sunday duty, etc.; beautiful country and scenery. Apply, giving full particulars, "Rhei" (203/13), Office of this Paper.

WANTED, smart Junior for high-class Drug Stores. Please state age, salary required, and references, Freshney's, 5 Victoria Street, Grimsby.

WANTED, competent qualified Senior Assistant for high-class Dispensing business; outdoors. State salary required and usual particulars to C. W. Higgins, 47 Market Place, Salisbury.

WANTED, a capable Assistant for Dispensing and Counter; S.W. district. Kindly state age, experience, and salary required. Apply "M. J. G." (246/7), Office of this Paper. Will advertiser kindly send name and address to this office.

WANTED (shortly), a qualified Manager for a quiet business in Welsh watering resort; good references essential; permanency. Apply, with full particulars, "Cymro" (245/30), Office of this Paper.

WANTED (immediately), qualified Assistant. State experience, reference, and terms to Wardale & Co., 132 High Street North, East Ham, E. 6.

£3 10s. weekly, with good prospects, for capable unqualified Assistant under 30; must be tactful Salesman, used to quick cash business; highest references essential; a man who will take real interest in business building will be given every encouragement and opportunity; London, S.W. Please give full particulars of experience, with age, height, and photo if possible, 244/40, Office of this Paper.

WHOLESALE.

ANALYST, experienced in Alkaloidal Assay and in testing of Pharmaceutical Chemicals and Galenicals, required by firm of Wholesale Druggists in the Lancashire district. Apply, stating full particulars of experience and salary required, to 31/72, Office of this Paper.

ASSISTANT (young, single) required for Wholesale side chiefly; familiar with small packed goods; able to supervise stock and packing, and to travel. Give full particulars of experience, salary required, etc., and say if at liberty, to "Yorkshire" (245/150), Office of this Paper.

ASSISTANT required; buying department (Chemicals and Drugs), Wholesale Druggists; excellent opportunity to gain experience. Apply by letter, stating salary required and experience had, to 30/19, Office of this Paper.

CHEMIST, qualified preferred, required by small provincial Wholesale house; one desiring a permanency preferred; must be able to control staff, and be well up in the manufacture of Galenicals and Compressed Tablets. State experience, age, and salary required, 245/400, Office of this Paper.

COMPRESSED-TABLET MAKERS.—Thoroughly experienced man required; well up in the manufacture of Compressed Tablets, and able to construct his own formula; one desiring a permanency preferred. State previous experience, age, and salary expected, 245/40, Office of this Paper.

EXPORT Packer required by London Wholesale Druggists; must have good experience and references; wages £3 week. Apply "E. C." (32/10), Office of this Paper.

GALENICALS.—Wanted by Manufacturing Chemists in Suffolk, a man efficient in making up Galenicals, to take lead in department under Manager. State experience, age, and salary required to C. Stallon, 62 Bank Chambers, London, W.C. 2.

INVOICE Clerks; accustomed to the Drug and Chemical trades, and smart at figures. Apply by letter to T. C. D., Burgoyne, Burbidges & Co., Ltd., East Ham, E. 6.

LABORATORY hand required; one used to manufacture Galenicals; good prospects. State full experience and wages required, 224/47, Office of this Paper.

LABORATORY.—Man wanted in old-established export house; strong and capable, with experience in making B.P. Liquors, Ointments, Syrups, etc. Write particulars of age, previous employment, and wages expected, to H. S., Dakin Brothers, Ltd., 82 Middlesex Street, London, E. 1.

LABORATORY MANAGER.—Wanted by firm of Manufacturing Chemists in provinces, Manager for Laboratories; must have practical experience in the making of Galenicals, Pills, Tablets, Toilet preparations, and Proprietary articles; excellent prospects for right man. Applicants are requested to give full details of experience in first letter. Apply 231/9, Office of this Paper.

LABORATORY.—Capable Assistant required by London Wholesale house, with experience in the manufacture of B.P. preparations, Ointments, Syrups, etc. Apply, stating age, experience, and salary required, 245/2, Office of this Paper.

LARGE Wholesale Druggists, London, require responsible Clerk with good knowledge of Drug trade; used to supervising. Write "Drugs" (31/11), Office of this Paper.

MANUFACTURING DEPARTMENT.—Unqualified Assistant to prepare Shampoo Powders and Toilet requisites, and to take charge of machinery for dry mixing, crushing and grinding, packing, etc. Apply in first instance by letter, giving full particulars of experience, stating age and salary required, to Evan Williams Co., Ltd., 18 and 18a Ogle Street, Foley Street, W. 1.

PHARMACEUTICAL LABORATORY IN THE PROVINCES.—Wanted, Chief Assistant; accustomed to manufacture by machinery Galenicals, Tablets, Pills, etc. Apply, stating full details of experience, age, and salary required, to "North of England" (247/27), Office of this Paper.

PILLMAKER wanted by London Wholesale Druggists. State age, wages, and experience, 28/34, Office of this Paper.

REPRESENTATIVES wanted, one for the South Coast and one for the North of England and Scotland, to represent well-known brand of British Eau de Cologne as side line. Write fullest particulars, which will be treated strictly confidentially, to 232/25, Office of this Paper.

REPRESENTATIVES wanted for Lancashire; Sundries, Toilet specialities, Perfumes, and Dressings; must be a first-class man. Apply 28/63, Office of this Paper.

REPRESENTATIVES throughout United Kingdom, with established connection, to carry ready selling side line showing retailer 40 per cent. profit; 10 per cent. commission only. Replies, stating ground covered, to Department "F. Y.," E. J. Reid & Co., 49-50 Watling Street, London, E.C. 4.

REQUIRED, capable man to manage Toilet Soap and Perfumery Works; must be in a position to control staff, and generally supervise departmental output and costings. Write, stating experience and salary required, to 25/7, Office of this Paper.

REQUIRED by London firm of high-class Manufacturing Chemists, a qualified Pharmacist, with good experience of Wholesale and Retail Drug trade; one with a knowledge of markets; able to control travellers, and take sole charge of and organise sales department; sound progressive position for suitable man. Address, with fullest particulars, to "Cantab" (244/39), Office of this Paper.

ROOM Foreman to take charge of department putting up Counter specialities. State, in confidence, experience and salary required, Midgleys, 5 Mayes Street, Manchester.

SOAP and Perfumery Manufacturers require the services of an efficient Traveller with full knowledge of high-class trade, and with established connection in London and suburbs. Replies (which will be treated with confidence), giving full particulars as to age, experience, and remuneration expected, to 31/39, Office of this Paper.

TRAVELLER required for London, to call on Hairdressers, etc., with Toilet preparations and sundries, on commission; good prospects for energetic and capable man. Write, giving age, experience, and remuneration expected to commence with, to Box "P. L.," c/o Davies & Co., Finch Lane, E.C. 3.

WANTED, Representatives for all parts of England, to introduce a popular Chemist's line; shows good profit and commission; needs no pushing. State particulars of ground covered, etc., to 241/9, Office of this Paper.

WANTED, experienced Wet and Dry Counterman; good prospects. State age, experience, and wages required (letter only) to Messrs. Droffat, 62 Bank Chambers, Holborn, London, W.C. 2.

WANTED, experienced Tablet Machinist. Apply W. B. Cartwright, Ltd., Tablet Makers, Rawdon, near Leeds.

WANTED, Salesmen to place a Medicinal Proprietary with Chemists and Stores in Yorkshire and other counties; must have a personal connection and proved sales record; commission terms, with small guarantee; the line is well packed with sale compelling showcards, etc., commands ready sale, and shows generous profit to the retailer; samples light. State exact ground covered and full details of sales record to "West Riding" (248/300), Office of this Paper.

WHOLESALE Chemical firm (London) would like to get into communication with Representatives who are at liberty to take up another commission; Midlands, Eastern Counties, and South of England. Apply 245/1, Office of this Paper.

YOUNG man, accustomed to use of steam plant making Syrups, Extracts, etc. Apply, stating age, experience, wages, and references, to R. A. Cripps & Son, Manufacturing Pharmacists, Hove.

YOUNG man wanted to assist in Warehouse with stock, orders, and help generally. Please apply, stating full particulars and salary required, to Charles Bing, Pharmaceutical Chemist, Canterbury.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

JAPAN.—Two qualified Assistants wanted for Yokohama. Salary £20 per month, increasing to £30; free furnished quarters, with lighting and heating; free passage out and home. For details apply M. H., S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, London, E.C. 1.

JAPAN.—Wanted (immediately) as Second Assistant, single, qualified, and as Fourth Assistant, qualified preferred, in first-class business at Kobe; easy hours; liberal salaries; passage out and home. Send for full particulars, with photo, to J. W. Franklin, c/o Bailey's Hotel, Gloucester Road, S.W. 7.

STRAITS SETTLEMENTS.—Qualified Assistant, young, and capable of managing Branch Dispensary; four years' agreement; passage paid out and home; salary first year, dollars 250 per month, second and third years dollars 275 per month, fourth year dollars 300 (Straits dollar 2*s.* 4*d.*); splendid opportunity for an energetic man; a knowledge of Optical and Photographic work desirable. Apply W. C. H., Burgoyne, Burbidges & Co., Ltd., East Ham, E. 6.

FOREIGN TRAVELLING REPRESENTATIVE.—Old-established Toilet Soap and Perfumery house has a vacancy for an experienced Salesman with thorough knowledge of Toilet Soap, Perfumery, and all Toilet preparations; good prospects for a man with connections in oversea markets, who can work these methodically. Replies, giving full particulars, which will be treated confidentially, to 27/39, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]

RETAIL.

A QUALIFIED Chemist is open to accept Locum or permanent work immediately; send fullest particulars of vacancy; good salary essential. Apply 246/26, Office of this Paper.

ADVERTISER, on overseas leave, desires post as Manager Drug Stores after demobilisation; Leamington-Coventry district. Apply "12138," 6 Harley Road, Newtown, Great Yarmouth.

ADVERTISER, 26, with excellent references, desires position as Assistant in good-class business, or Manager in branch shop. Please state hours and terms, 248/2, Office of this Paper.

AS Assistant Dispenser, unqualified; could do a little Counter work; four years' experience; near London. Apply Miss E. Finyon, The Weathercock, Upper Lambourne, Lambourne, Berks.

AS Assistant in a good-class business, with a view to succession or partnership. Apply, in confidence, to 245/19, Office of this Paper.

AS Locum; permanency; excellent references and experience. "Chemist," 122a Holland Road, Kensington, W. 14.

AS Managing Assistant, married, unqualified, 30, where could live over premises; permanency; good references. "J.," 17 Stanley Road, Woking.

ASSISTANT (lady) desires situation in or near Kent; Dispensing, Counter, Photography; experienced, reliable. Full particulars and salary, "L.," 36 Newmarket Street, Norwich.

ASSISTANT; unqualified; Dispensing, Counter, Extractor. "Aspirin" (243/33), Office of this Paper.

ASSISTANT (French), five years' experience, desirous of improving English language, desires situation in England; age 19; good references. Apply Maurice Poinsignon, 11 Rue Louis Maurice, La Varenne, St. Hilaire (Seine), France.

ASSISTANT (lady); Dispensing, Retail, and slight Photographic knowledge; disengaged shortly; all letters answered. A. E. Baker, 79 Dunedin Road, London, E. 10.

ASSISTANT; 27; Counter or Dispensing (Hall); experienced. "Cyrex," 170 Kennington Park Road, S.E.

ASSISTANT, lady, 25, competent and reliable, desires post in good-class Dispensing and Retail business; disengaged. State terms to 245/26, Office of this Paper.

ASSISTANT, unqualified, 35, seeks permanent post; Manchester or Bolton district; Dispenser or Counter. State salary, etc., to "Aspirin" (245/37), Office of this Paper.

ASSISTANT (demobilised shortly), unqualified, smart and refined, efficient and reliable Dispenser, Photography, excellent references, desires post; West of England preferred; married; 27. Apply, full particulars, 246/24, Office of this Paper.

BRIGHTON.—Part or full time post required by qualified Chemist; experienced. Apply 240/40, Office of this Paper.

CLERICAL; evening work of any kind; terms moderate. Write "F. G." (219/30), Office of this Paper.

DISENGAGED MARCH 1st.—Qualified Pharmacist seeks permanent resident Managership in London or suburbs; active, and thoroughly experienced; married; age 45. "Rotax" (243/32), Office of this Paper.

DISENGAGED FEBRUARY 10th.—Assistant or Managing Assistant (31), unqualified, first-class Dispensing and Counter experience, seeks permanency; country or seaside. "Hexamine" (247/33), Office of this Paper.

DISPENSER (Doctor's) seeks permanency; experienced; unqualified; single; good testimonials; disengaged. "B.," Bishop's Hotel, 70 St. Thomas's Street, Weymouth.

DISPENSER (lady), qualified, shorthand typist, desires post; 10 years' experience; excellent testimonials; London preferred. Reply to 239/34, Office of this Paper.

DISPENSER (lady) requires post with Doctor or Chemist; excellent experience; thoroughly reliable; good Prescriber. Apply 246/15, Office of this Paper.

DOES anybody want two Dispensers after the war? Apply 236/23, Office of this Paper.

ELDERLY; qualified; single; easy hours; light work; moderate salary (London). Apply 246/25, Office of this Paper.

EVENING or part time; Counter, Dispensing, Photographic, and Sight-testing; qualified; age 30. "B.," 27 Hamilton Road, Bedford Park, London, W. 4.

EX B.E.F.—Locum, disengaged about February 1st, by ex-Staff-Sergeant; 25 years' all-round experience; 15s. per diem. Bedding, 10 Ponsonby Terrace, Westminster, S.W. 1.

EXPERIENCED qualified Manager; country or seaside; highest references. "Chemist," Lower Farm, Tiffield, Towcester.

GENTLEMAN, shortly resigning his commission, with many years' pre-war City and West-End experience, both as Manager and owner, desires to communicate with City or West-End firm of repute, with view of Managership or equally responsible post. Colman, 68 Trinity Road, Wimbledon.

IMMEDIATE DEMOBILISATION WHEN SUITED.—Assistant, unqualified, seeks post; good Salesman and Dispenser; age 25½; London experience. Apply 240/6, Office of this Paper.

IMPROVER.—Situation required for youth aged 19; Student of Pharmaceutical Society; nearly two years' experience; tall, capable, energetic; well recommended; employer must sign necessary form to secure discharge of above from naval service (wireless operator). "Student," 16 Market Square, Leighton Buzzard.

IMPROVER, age 19, height 5 ft. 9 in., seeks berth immediately; just discharged from Army; Bath or Bristol district preferred. State wages, etc., 236/16, Office of this Paper.

LADY Dispenser (Hall) desires post; Hospital or Doctor; some Hospital experience; Liverpool or Southport district preferred. Apply H. Baker, Hillside, Audlem, Cheshire.

LADY Dispenser (Hall) desires post; with Doctor or Institution preferred; one year's experience with Chemist, and short time with Doctor; W. or S.W. London. Please state terms, 244/19, Office of this Paper.

LADY Dispenser (Hall) requires part-time with Doctor or Institute; within easy distance of Balham. Apply E. Long, 109 Streathbourne Road, S.W. 17.

LADY Dispenser, 10 years' experience Doctors and Institutions, wishes temporary post. Apply 239/38, Office of this Paper.

LADY Dispenser requires post with Doctor; London or district. L. Webster, Weedon, Northants.

LADY Dispenser (Hall) seeks post in London; Hospital or Institution preferred; good experience in large institution; at liberty now. Apply A. Metcalfe, 33 Grovelands Road, Palmer's Green, N. 13.

LADY Dispenser and Bookkeeper (Hall), 2½ years last reference, desires post; Chemist, not Stores; W., S.W. "Apothecary," c/o Selley, 202 Earl's Court Road.

LADY Dispenser desires post; mornings only; experienced; qualified. Apply F. H. Rae, 93 Shepherdess Walk, N. 1.

LADY requires situation to Chemist; good experience. M. Williams, 37 Burgoyne Road, Harringay, London; N.

LADY Dispenser desires post; Apothecaries' qualification. Apply 245/25, Office of this Paper.

LADY Dispenser (Hall) desires post; Doctor or Chemist; two years' experience; disengaged now; South Wales preferred. Apply 246/5, Office of this Paper.

LADY, three years' experience, 24, Dispensing, Front Counter, well recommended, desires post in London. Apply Jones, Pharmaceutical Chemist, Waterford.

LADY Dispenser requires post at the end of February; Hall certificate and experience, with references. Apply 246/11, Office of this Paper.

LANCE-CORPORAL, on demobilising, requires post; Assistant; unqualified; married; age 28; height 5 ft. 10 in.; Dispensing, Window-dressing, Photography; nine years' experience; good education. Apply 245/28, Office of this Paper.

LIVE man, 37, Scotch, of good appearance and address, requires situation of trust; demobilised yesterday; volunteered at outbreak; held senior N.C.O.'s rank in France nearly four years; previously acted as Chemist's Assistant, Manager, Representative; excellent references from Chemists and Medical Officers; opportunity wanted for tact, energy, and organising ability. Apply 236/20, Office of this Paper.

LOCUM (Newcastle-on-Tyne or district).—Major man, 29, married, well known, highest references, wide experience, including Optics, is open to accept engagements in N. England from April-September; early booking advisable; free dates on application. "Flon," 122 Rye Hill, Newcastle-on-Tyne.

LOCUM Tenens; disengaged January 25th; experienced. "L. T.," 53 Cross Street, Abergavenny, Mon.

LOCUM or permanency; 46; absolutely reliable; shortly disengaged; booking forward. "B.," 71 Sunbury Road, Liverpool.

LOCUM; experienced town and country; 55; abstainer; disengaged. "J. S.," 140 Bright Street, Carbrook, Sheffield.

LOCUM; high-class experience; town or country; disengaged; abstainer; middle-aged; capable and energetic. W. B., 40 King Street, Maidstone.

LOCUM; highest references; widest experience; disengaged February 8th. "Colox" (246/80), Office of this Paper.

LOCUM next week, or permanency from 8-1 daily; unqualified; competent. Apply 247/18, Office of this Paper.

M.P.S. REQUIRES berth; 29; married; late proprietor; sold business 12 months ago; military reasons; can commence at once. "Statim" (247/1), Office of this Paper.

MANAGER or Managing Assistant, with view to succession (deposit paid on agreement); suburban, coast, or country town preferred, but not essential; position as above desired by first-class unqualified man; 32 (just demobilised after 3½ years' service); 6½ years' successful Manager; expert Salesman and Window-dresser; thoroughly experienced in all branches of business; live propositions only entertained. "Seven" (244/35), Office of this Paper.

MANAGER; qualified; 30; disengaged; London experience. Apply 241/12, Office of this Paper.

MANAGER, Pharmacist, aged 40, married, tall, with wide experience in good-class businesses, desires engagement shortly in healthy district; seaside or otherwise; excellent recommendations; single-handed berths declined. State salary offered and prospects, "Antacid" (244/25), Office of this Paper.

MANAGER or Senior; unqualified; great experience in Dispensing and Prescribing; married; no family. Chemist, 179 Arkwright Street, Nottingham.

MANAGER; qualified; 10 years last post; good credentials; fluent French. Apply 245/400, Office of this Paper.

MANAGER (branch); qualified (Major); married; middle-aged; experienced; not London. Particulars to Chemist, 75 Queen's Park Road, Brighton.

MANAGER; unqualified; best references; real good experience. "Phenol" (246/8), Office of this Paper.

MANAGER; disengaged; experienced; 55. "L." (245/32), Office of this Paper.

MANAGER OR RESPONSIBLE POSITION.—Pharmacist, 30, tall, married, high-class experience (Kensington), present situation over six years, desires change; would entertain succession. Full particulars 200/34, Office of this Paper.

MANAGER (demobilised), qualified, 32, married, high-class experience Retail and Dispensing, excellent references, desires situation. Please state hours and salary offered to "Gas Expert" (247/3), Office of this Paper.

MANAGER or Senior Assistant; 16 years' experience in high-class Retail and Dispensing; excellent references; married; unregistered, but competent. State salary offered in first letter, 248/7, Office of this Paper

MANAGING or Senior Assistant; permanency; unqualified; 35; fit; married; good appearance and address; highest testimonials; demobilised shortly; Dispensing, Prescribing, Photography, and Salesmanship a speciality. Apply "T. T. O." (242/28), Office of this Paper.

MANSFIELD OR DISTRICT.—Qualified; 29; five years' present berth as Manager; position as Manager or Assistant; excellent references. Full particulars and salary offered, 244/27, Office of this Paper.

OFFICER on demobilising requires post, Assistant or Manager, Drug Stores, with Dental connection; experienced with local anæsthetics, fillings, crowns, artificial teeth; age 28; height 5 ft. 10 in.; good education; married; no children; furnished or unfurnished rooms accepted; part salary; London or country. Apply 205/20, Office of this Paper.

PART-TIME; London district. State hours required and remuneration given, 248/200, Office of this Paper.

PHARMACIST, ex-prisoner of war, age 29, desires comfortable situation; good experience Dispensing and Counter. Apply 243/34, Office of this Paper.

PHARMACIST, at present in Army, requires berth for demobilisation; Branch Manager or Senior; excellent experience and references; Photographer. Please give full particulars, "Artillery" (245/13), Office of this Paper.

PH.C. wishes to recommend lady, 21; capable Dispenser, doing 300 scrips weekly; Counter experience; Leeds or Bradford districts preferred. "F. S. M. C." (241/16), Office of this Paper.

QUALIFIED Locum; branch; part-time. "Chemist," 26 Telford Road, Westbourne Park, W.

QUALIFIED lady (Major) desires post in a thoroughly first-class business; with or without view to succession; all-round experience. Apply 243/37, Office of this Paper.

QUALIFIED as Manager; 42; all-round experience. Apply 242/13, Office of this Paper.

QUALIFIED Chemist, over 40, desires position as Assistant; temporary or permanent, with plenty of work; North preferred. Apply 242/4, Office of this Paper.

QUALIFIED Manager or Assistant; outdoors; married; disengaged; middle-age, active; London preferred; all-round good experience. "Alpha," 17 Gladstone Park Gardens, Cricklewood.

QUALIFIED Junior, with high-class West-End experience, requires situation. Apply 235/50, Office of this Paper.

QUALIFIED, tall, age 30, married, five years' experience as Manager, London, provincial, and Continental experience, speaking French if required, seeks permanency. Particulars and salary offered to 239/37, Office of this Paper.

QUALIFIED Manager, over military age, exceptionally good all-round experience, best London and country business, seeking change shortly (locality unsuitable); present situation 3½ years; excellent references; married. Reply, full particulars, hours, salary, etc., "Chemist" (246/10), Office of this Paper.

QUALIFIED Manager or Assistant, with view to early succession; good business; South. Apply 247/7, Office of this Paper.

QUALIFIED; experienced; disengaged mornings, evenings, and Sundays. Apply 247/29, Office of this Paper.

UNQUALIFIED requires position as Manager of Drug Stores; with or without view to succession; well experienced as Manager and Buyer; knowledge of Photo, Optics, and Surgical. Apply 241/4, Office of this Paper.

WHOLESALE.

ADVERTISER requires position as Buyer of Druggists' Sundries, etc., for export; 20 years' experience in trade; engaged. Apply 235/4, Office of this Paper.

ADVERTISER, with about 20 years' thorough Retail experience, seeks progressive position with good Wholesale firm; present employment six years. March, 10 Milward Crescent, Hastings.

ADVERTISER, 34, married, unqualified, 15 years' Retail experience, practical knowledge Bacteriology and Clinical methods (registered Laboratory Attendant, R.A.M.C.), desires situation London (City preferred); Wholesale or Retail. Write, stating wages offered, etc., "Slip Man" (247/28), Office of this Paper.

ASSISTANT; disengaged; unqualified; five years' experience in Dispensing and Counter; highest references. State salary offered and particulars, Baker, Charlotte Row, Weymouth.

CHEMIST (24) desires situation in London; wide experience in Analytical work, Drugs, Chemicals, Essential Oils, etc., also in Manufacturing operations. Write "R. S. C." (247/34), Office of this Paper.

CHEMIST-ACCOUNTANT; open to negotiate with progressive house for appointment as Manager, Branch Manager, Secretary, or similar responsible position; many years varied experience in Wholesale; remuneration £500, or by arrangement. Apply "N. O. W." (248/8), Office of this Paper.

COMMERCIAL or Factory Manager; age 40; practical experience manufacturing Toilet preparations and Proprietary lines; control completely factory and office; energy, tact, organising ability, and initiative; salary £416, but would consider good opening with prospects; London or provinces. Apply 219/31, Office of this Paper.

DEMOBILISED requires position in Laboratory; good all-round experience; well up in Galenicals, Toilet preparations, Mag. Cit., etc.; five years as Laboratory Foreman; age 32 years. Apply 245/7, Office of this Paper.

DEMOBILISED (Shortly).—Experienced Representative, age 33, good appearance and address, desires progressive position (when discharged home service); Drugs, Sundries, Packed Goods, Surgical appliances, etc.; previous journey Midlands, Eastern Counties; consider changing ground. "Energetic" (241/13), Office of this Paper.

FOREMAN, good all-round experience with leading London houses, Wets, Dries, Sundries, Instruments, desires change; used to control male and female labour; age 30; excellent references. Apply 245/5, Office of this Paper.

FOREMAN; packed goods; full control; 18 years' experience; excellent references. Apply 42/104, Office of this Paper.

GENTLEMAN, great experience in Retail, and many years holding executive position in first-class Manufacturing house, seeks similar position. Apply 235/2, Office of this Paper.

GOOD house requiring first-class Representative, with 18 years' experience, now disengaged, should apply to "Advertiser" (227/21), Office of this Paper.

LABORATORY Assistant desirous of bettering himself; four years' experience in the manufacture of Galenicals, Tinctures, etc. Apply, with particulars, 42/42, Office of this Paper.

OFFICER, awaiting demobilisation, desires post; Wholesale and high-class Retail experience; would be pleased to communicate with firm offering good salary. Apply 247/8, Office of this Paper.

PHARMACEUTICAL Chemist (lady) desires post; experienced in water, milk, urine, and Pharmaceutical analysis, and in the making of Galenicals. State salary and all particulars in first letter, please. Apply 243/370, Office of this Paper.

PHARMACIST (33).—First-class man desires appointment of responsibility with Wholesale firm; preferably as Representative; education, experience (16 years' Retail), and references sound; comprehensive knowledge of requirements of Medical Men and Pharmacists; Gentlemanly appearance, deportment, conversation, and address; energetic, tactful, ambitious. "Altior" (242/7), Office of this Paper.

PHARMACIST, Retail, Works, Wholesale experience, Galenicals, Toilet articles, Tablet making, seeks progressive permanency as Manager or Assistant. Apply 245/31, Office of this Paper.

PHARMACIST, 40, wishing to relinquish Retail, in which capacity he has been engaged for upwards of 14 years as Manager, desires responsible position in Wholesale; excellent references. Apply "W. R. E." (246/38), Office of this Paper.

PH.C. desires post shortly; London; Works Chemist or Manager; 20 years Manufacturing experience Galenicals, Synthetic Chemicals, Analysis Research, and Bacteriology. H. Johnson, 42 Rutland Road, Hove.

QUALIFIED (23) requires situation in Laboratory or Wholesale Manufacturers. Apply "F. C. S." (235/5), Office of this Paper.

QUALIFIED Manager or position of trust; free; testimonials good. Apply 245/4, Office of this Paper.

REPRESENTATIVE, extensive connection Chemists, London, desires Proprietary; highly recommended. Apply 235/3, Office of this Paper.

REPRESENTATIVE reports good selling lines; part expenses and commission basis preferred; Northern Counties, Scotland, Ireland, and Wales. "Success" (247/25), Office of this Paper.

REPRESENTATIVE, with good connection amongst Chemists in Manchester and district, is open for good Agencies on commission basis. Apply 31/62, Office of this Paper.

SALESMAN-STOCKKEEPER; position of trust; 18 years' experience in Drugs, Sundries, etc.; would travel. Rex, 48 Lealand Road, Stamford Hill.

TO CHEMISTS.—Printing Department Working Foreman seeks re-engagement as such; over 28 years' experience in the trade; good reference. Inquiries to S. H. G., 91 Canbury Park Road, Kingston.

TRAVELLER, qualified man, wishful to represent good house; whole or part time. Apply 248/11, Office of this Paper.

UNQUALIFIED, demobilised, married, age 32, desires permanency; Wholesale or Retail; 16 years' experience; 6½ years' Departmental Manager previous to joining H.M.F.; excellent references; commence immediately if necessary; home or abroad. Reply S. A. Rixon, 13 Bury Old Road, Heaton Park, Manchester.

WANTED, position as Traveller with good firm; at home or abroad; good education; 12 years' experience in Retail; age 30; smart appearance; knowledge of French and Hindustani; excellent testimonials; would take on position inside for time if necessary. State salary and all particulars to "Statim," 13 Montpelier Crescent, New Brighton.

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MISCELLANEOUS.

ABOUT 4 gross Swansdown Puffs, with bone knots, in eight different sizes, from 3*s*. 6*d*. per dozen; to clear in one lot. D. W. Bull, 4 Churchill Road, Homerton, E. 9.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

TABLET Machines, several; suitable for punches ⅝ inch and less: nearly new; in perfect working order; cheap. Apply 22/1, Office of this Paper.

TINS.—3,000 gross for sale, suitable for boot polish, etc., and powders. Apply J. C. Collier & Co., Ltd., 47 Market Street, Manchester.

TINS; 1 lb.; lever lids; 1,000/1,500 gross; prompt delivery; good line; right price; every reply answered. "Tins" (227/5), Office of this Paper.

TOOTH Brushes, good quality, white handles, one gross each, 8*s*., 10*s*., 11*s*. 6*d*., 13*s*. 6*d*. dozen; Ladies' Dressing Combs, six dozen each, 9*s*. 6*d*., 11*s*. 6*d*. dozen, 8 in., black, white, grey, and amber; gent's Military Dressing Combs, 3 dozen each, 6*s*., 8*s*. dozen; one gross Henna Shampoo Powders, 1*s*. 8*d*. dozen (retail at 3*d*. each); post free; cash with order; sample half-dozens supplied. Aldous, 48 Harpenden Road, West Norwood, S.E. 27.

60,000 ASPIRINS, 5 gr.; 1,000 lots, 15*s*. 6*d*.; 5,000 lots, 15*s*.; larger quantities in proportion; cash with order. Woolhouse, Chemist, Huddersfield.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED, plain or graduated.
3 and 4 ounce. 6 and 8 ounce.
12 ounce.
WHITE PHIALS, plain or teaspoons.
½ ounce. 1½ ounce.
1 " 2 "
BLUE LOTION BOTTLES, all sizes.

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CORKS. Superior Quality. No advance in price.
6 and 8 ounce ... ... **1s.** per gross, in 6 gross bags.
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One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6*d*.

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27 bound volumes "Pharmaceutical Journal," 1841-1868. What offers? Cash or exchange. Kendal, Chemist, Allerton.

BOOKS FOR SALE.—"General and Practical Optics" (Laurence), 9*s*.; "Visual Optics" (Laurence), 9*s*.; "The Eye" (Laurence), 2*s*.; "Ophthalmic Frames" (Taylor), 2*s*.; Edser's "Light," 3*s*.; "Geometrical Optics" (Aldis), 1*s*. 6*d*.; "Physical Optics" (Glazebrook), 3*s*.; "Heat and Light" (Glazebrook), 3*s*.; "Practical Physics" (Glazebrook), 3*s*.; "Text-book Physics" (Watson), 6*s*.; Perkin and Kipping (Organic), 5*s*.; "Quantitative Analysis" (Clowes & Coleman), 6*s*.; "Qualitative Analysis" (Clowes & Coleman), 3*s*.; "Practical Organic" (Price & Twiss), 2*s*. 6*d*.; "Practical Physics" (Watson), 2*s*. 6*d*.; Rimmel's "Book Perfumes," 3*s*. 6*d*.; Ince's "Elementary Dispensing," 2*s*.; Newth's "Inorganic Chemistry," 3*s*. All above in perfect condition; postage extra. "X.," c/o Wooten, 71 High Road, South Tottenham, N. 15.

DRUGS AND CHEMICALS.

1 CWT. bag refined Epsom Salts for 47*s*. Kendall, 29 Seymour Place, London, W.

CALC. Acid. Phosphat.; 2-cwt. bag, rail paid, for £14 cash; guaranteed; subject being unsold. "Phosphate" (245/15), Office of this Paper.

SURPLUS STOCK.—4 oz. Morph. Hyd., 20*s*. oz.; 3 lb. Menthol, 1*s*. 3*d*. oz.; 28-lb. tin Ol. Eucalyptus, 4*s*. lb.; 1 oz. Barbiton, 6*s*. 6*d*. oz.; ½ lb. Scale Pepsin, P. D. & Co., 4*s*. oz.; 2 gall. Ol. Persic., 3*s*. 6*d*. lb. Hardman, Yeadon, Yorkshire.

OPTICAL AND PHOTOGRAPHIC.

OPTICAL Trial Case; price £7. Full particulars from Sharples, Chemist, Bridlington.

KODAK Developing Tank, 3½ in.; Wyune's Exposure Meter; Kodak V.P.K. enlarger; all good condition. Hornby, Chemist, Winchmore Hill.

ENLARGING Lantern; Hume's Cantilever, gas, ¼ plate, fitted on rails, with easel; good condition. Offers to Catford, South Brent, Devon.

MISCELLANEOUS.

OFFERS. Dozen 3*s*. Cow and Gate, full cream; two dozen, 2*s*. 8*d*., half cream. Nicholas, Pharmacy, Llandovery.

OFFERS wanted. 14 lb. Egg Yolk, 4 Veedees. Savage, Manchester Road, Bradford.

GARDNER'S Sifter and Mixer, size A, for hand power; perfect condition; £12. Rose, Chemists, Dewsbury.

1 GROSS Lady Marie's Shampoo Powder, 3*d*. (high-class packing); 15*s*. per gross, carriage paid. Harvey, Chemist, Knaphill, Surrey.

FOUR sets of three stout glass Window Shelves; polished edges; send postcard for sizes; two bent Counter Cases. Hornby, Chemist, Winchmore Hill.

WHAT offers for (about) 12 doz. ½-lb., 6 doz. 1-lb., 3 doz. 2-lb. Malted Food (unlabelled); manufactured by Geo. King & Co.; fresh stock; invoice can be seen. Apply 242/8, Office of this Paper.

SURPLUS STOCK.—Good quality bone handle Tooth Brushes, 10*s*. 9*d*. dozen; 3 dozen, carriage paid, 32*s*. 6*d*.; sample 1*s*.; 12 dozen Toilet Rolls, perforated, 16*s*. dozen; sample 1*s*. 8*d*., post paid. Ellis, 10 Albert Road, Ilford.

WANTED.

2 GROSS Turnwood Boxes; 1 oz.; silicated. State price, 236/19, Office of this Paper.

FITTINGS and Rounds for small shop; any condition. Apply 244/8, Office of this Paper.

OPTICAL Trial Case wanted; also Frames and Lenses. Apply 22/28, Office of this Paper.

1, 2, 4 oz. white flint Rounds or Flats. Quantities, price, and sample, Baily, Chemist, Margate.

USED (or job lines) Tins, Drums, etc.; highest cash; all sizes. "Eastleigh" Paint Works, Hull.

OPTICAL Case; Glazebrook's "Light"; Thorington's "Refraction." "Optics," 23 Fitzjohn Avenue, Barnet.

GOODS WANTED.—Wanted to purchase, two good Gledhill or Bryant Tills. Write 244/141, Office of this Paper.

SWAN-NECKED Window Carboy. State capacity, height, and price, Lyle & Lyle, Chemists, Ladywell, London, S.E.

COPPER-LINED, Steam-jacketed Vacuum Pan; capacity about 200-300 gallons. Apply 246/33, Office of this Paper.

OINTMENT Mill, capacity 56 lb.; Emulsifier, capacity 4 galls.; 10-gall. Copper Pan and stand for gas; 10-gall. Jacketed Pan for gas. Apply 243/6, Office of this Paper.

BOTTLES wanted, 1½ oz.; also small Perfumes, ¼-oz. and 1-oz. capped jars; Sprinklers, Extract, Glycerrh. Liq., Distilled Witch-hazel. Send sample and cash price, Organic Medicine Co., 10 Park Lane, Leeds.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W. 4.

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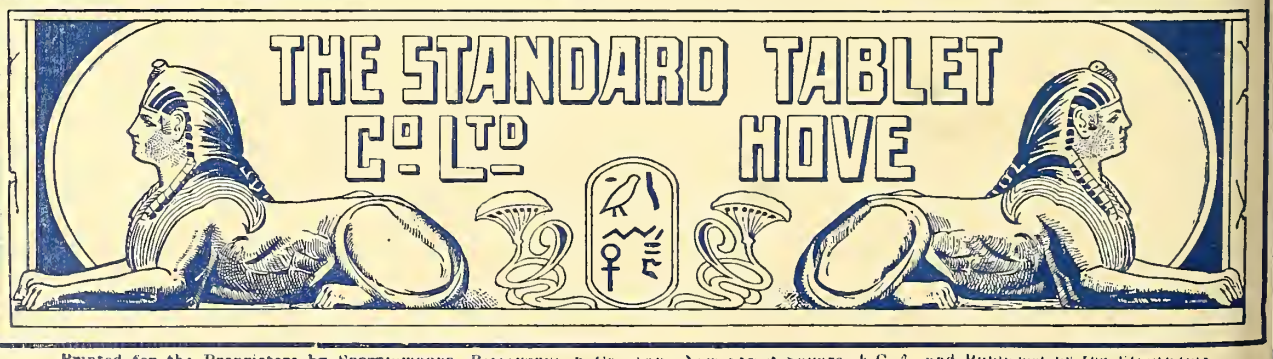

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO., LTD., New Street Square, E.C. 4 and Published by the Proprietors at 42 Cannon Street, in the City of London.—*January* 25, 1919.